

CS609-System Programming

MID TERM (UPDATE HO)

Prepared by: JUNAID MALIK

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1. Which of the following tasks is not performed by the operating system.
 - ❖ Multitasking
 - ❖ Memory Management
 - ❖ File Management
 - ❖ **Hardware repairing**
2. Windows operating system allows us to run a huge process in a small memory space due to
 - ❖ Efficient primary memory management
 - ❖ Flexibility naming scheme for resources
 - ❖ High processing speed of processor
 - ❖ **Virtual memory management**
3. To provide an interface between the user and computer, a system is required which is called _____
 - ❖ Application software
 - ❖ **Operating system**
 - ❖ Customized software
 - ❖ Both application and customized software
4. A process-1 in windows operating system can access the memory space of process-2 if _____
 - ❖ Process-1 has no privilege to access memory space of other processes
 - ❖ Both processes have same ID
 - ❖ Process-1 loaded in the same space as process-2
 - ❖ **Process-1 has privilege to access memory space of other processes.**
5. Windows operating system provides a naming scheme for the resources which allows maximum character only
 - ❖ **255**
 - ❖ 16
 - ❖ 55
 - ❖ 155
6. DOS was a _____ operating system.
 - ❖ GUI based
 - ❖ **Command line**

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- ❖ Real time
 - ❖ Multitasking
7. API stands for _____.
- ❖ **Application programming interface**
 - ❖ Advance programming interface
 - ❖ Application programming integrity
 - ❖ Application programs interoperability.
8. Which operating system was offered by Microsoft that was used prior to windows
- ❖ LINUX
 - ❖ UNIX
 - ❖ Solaris
 - ❖ **Dos**
9. Which of the following theme is not consider while introducing the new version of windows?
- ❖ Enhanced API
 - ❖ Scalability
 - ❖ Performance
 - ❖ **Increasing cost**
10. Which version of windows is used for mobile devices
- ❖ Windows ME
 - ❖ **Windows CE**
 - ❖ Windows vista
 - ❖ Windows server
11. In 2021, which of the following desktop operating systems was widely used in the world market?
- ❖ **Windows**
 - ❖ Fedora
 - ❖ Salaris
 - ❖ Linux
12. Using _____ commands can be issued to the system through icons, buttons, shortcuts, sound etc.
- ❖ Result- driven interface

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- ❖ Graphical user interface
 - ❖ Menu-driven interface only
 - ❖ Command only
13. One of the major causes of windows dominance in PC's market is its
- ❖ User-friendly GUI
 - ❖ Best security features
 - ❖ Feature of multitasking
 - ❖ Best marketing strategy
14. Which statement is not correct about the windows operating system
- ❖ It can only be used in desktop system
 - ❖ It supports both 32&64-bit architecture
 - ❖ It supports voice commands
 - ❖ It supports diverse hardware platforms
15. Which statement is incorrect about open source software?
- ❖ Paid license is required for it use
 - ❖ Changes can be made by the general public
 - ❖ Source code is freely available
 - ❖ It is publicly available
16. Choose the major drawback of a closed source software
- ❖ Not affordable by the user
 - ❖ Not customizable
 - ❖ Not freely available to download
 - ❖ Neither affordable, customizable, nor freely available for download
17. Example of a closed source software is _____
- ❖ Linux
 - ❖ Windows OS
 - ❖ Chrome browser
 - ❖ Fedora
18. A uniform extension is software components is possible in ___ software.
- ❖ Vender specific
 - ❖ Open source
 - ❖ Community source
 - ❖ Both open and closed

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19. A socket on end-point is required only if

- ❖ Processor tries to write on internal hard disk
- ❖ **Two processes communication over network**
- ❖ A process needs a resource
- ❖ Process needs to access main memory

20. DWORD data type represents _____

- ❖ **32 bit unsigned integer**
- ❖ 32 bit signed integer
- ❖ 16 bit unsigned integer
- ❖ 16 bit signed integer

21. A software or application can access any windows object _____

- ❖ Directly
- ❖ Directly and through API as well
- ❖ **Through API only**
- ❖ Not directly nor through API

22. Windows datatype LPTSTR

- ❖ **Long pointer to TSTR**
- ❖ Last pointer to TSTR
- ❖ Last pointer to string
- ❖ Long pointer to STR

23. Each windows API has a _____ number of parameters.

- ❖ Fixed
- ❖ Two
- ❖ **Variable**
- ❖ Four

24. Which statement is true about a multi-threading process?

- ❖ **A process has one or more threads**
- ❖ A process has only one thread
- ❖ A thread has only one process
- ❖ A thread can be created without process

25. Windows supports both the 32 and 64-bit source code by _____

- ❖ **Keeping separate API's for 32 and 64-bit code**
- ❖ Converting 32-bit into 64-bit code

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- ❖ Converting 64-bit into 32-bit code
 - ❖ Keeping separate compilers for each hardware
26. Windows operating system keeps _____ version of each API
- ❖ Two
 - ❖ One
 - ❖ Compiled
 - ❖ Interpreted
27. Which statement is incorrect about the 32-bit source code?
- ❖ It runs on 64-bit hardware and can use its all features
 - ❖ It has its own windows API
 - ❖ It does not support large disk space
 - ❖ It runs on 64-bit hardware
28. Choose the appropriate advantage of C source code that uses C standard function
- ❖ Can access advance windows features
 - ❖ Portable source code
 - ❖ Runs on windows platform only
 - ❖ Runs without making system calls to windows API's.
29. Choose the correct option for a source code that uses only windows API instead of C library functions.
- ❖ Source code can only access some features of windows
 - ❖ Source code will not remain portable
 - ❖ Source code cannot be compiled
 - ❖ Source code is portable
30. Which statement is true about open () function in C?
- ❖ It opens the existing file and not exists it creates a new file
 - ❖ It opens the file only writing
 - ❖ It opens the file only reading
 - ❖ It opens the file only existing
31. fopen() function in C returns ____ if the file is not successfully opened
- ❖ Zero value
 - ❖ Point to a file
 - ❖ NULL value

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❖ Neither NULL nor Zero

32. Open file objects using C library functions are identified by _____

❖ **Pointer to a file structure**

❖ Buffer

❖ Handle

❖ Both buffer and handle

33. A successfully read using fread() function in C is indicated by a _____ return value.

❖ **Non-negative**

❖ Zero

❖ Negative

❖ Boolean

34. What the following C statement represents; FILE *ptr;

❖ **Pointer to a file structure**

❖ Pointer to a character

❖ Pointer to an integer

❖ Pointer to a binary number

35. Which statement is true about createfile() function

❖ DWORD

❖ **BOOL**

❖ HANDLE

❖ INT

36. The return type of readfile() and writefile() is

❖ **It opens the existing file or creates a new file**

❖ It is not used for opening a file

❖ It opens or creates a file only for generic read

❖ It opens or creates a file only for generic write

37. LPWSTR stands for

❖ **Last pointer to wide string**

❖ Long pointer to wide string

❖ Long pointer with string

❖ Last pointer to string

38. The return type of malloc() function in C can be

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- ❖ Pointer to allocate space or NULL
 - ❖ Linked list
 - ❖ NULL only
 - ❖ A array
39. Which statement is correct about the convenience function?
- ❖ It does not improve overall performance
 - ❖ It takes considerable time in execution
 - ❖ It performs a small task
 - ❖ A big task is performed a single API
40. UDF stands for
- ❖ Universal driven format
 - ❖ Universal disk file
 - ❖ Universal driven file
 - ❖ Universal disk format
41. Which option is not related to the NT file system
- ❖ Compression
 - ❖ Encryption
 - ❖ File size limitation
 - ❖ Fault tolerance
42. Which feature of NTFS related to data security?
- ❖ Large file name mechanism
 - ❖ Encryption
 - ❖ File allocation table
 - ❖ Compression
43. Keeping in view the support for huge file size, which file system is more favorable?
- ❖ NTFS
 - ❖ FAT16
 - ❖ FAT32
 - ❖ FAT8
44. NTFS stand for _____
- ❖ New trend file system
 - ❖ New technology file system

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- ❖ New trend for system
 - ❖ New technology for system
45. Which special symbol can be used in windows filename?
- ❖ Pipe
 - ❖ Forward slash
 - ❖ Backward slash
 - ❖ **Underscore**
46. The path name of a remote resource of server starts with _____ symbol.
- ❖ Forward slash
 - ❖ Pipe
 - ❖ **Double back slash**
 - ❖ Black slash
47. In the windows file system, which symbol can be used as a path separator?
- ❖ Pipe symbol
 - ❖ Back slash only
 - ❖ **Both forward and backward**
 - ❖ Forward slash only
48. The file extension usually contains _____ characters.
- ❖ 5 to 8
 - ❖ **2 to 4**
 - ❖ 1 to 2
 - ❖ 1 to 3
49. In windows file system, the extension and file name is separated by _____.
- ❖ |
 - ❖ **Dot(.)**
 - ❖ \
 - ❖ /
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50. The name of windows API used for opening and creating a new file is
- ❖ **CreateFile()**
 - ❖ OpenFile()
 - ❖ CreateopenFile()
 - ❖ ReopenFile()

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51. The return type of create file() function is.

- ❖ NULL
- ❖ A handle to an open file or INVALID_HANDLE_VALUE
- ❖ INVALID_HANDLE_VALUE
- ❖ Always handle to run open file object

52. In FILE_SHARE_READ mode, the file is shared for _____

- ❖ Concurrent read and write by multiple process
- ❖ Concurrent read and write by a single process
- ❖ Concurrent read by single process
- ❖ Concurrent read by multiple process

53. In the createfile() function, if the same name file already exists when the attributes, create, Always is used to

- ❖ Delete the existing file and create a new file
- ❖ Delete the existing file
- ❖ Over write an existing file
- ❖ Create an existing file

54. In the createFile() function, which statement is true about open-existing attribute if the file does not exist.

- ❖ It will create an existing file
- ❖ It will open some other file instead of specified file
- ❖ It will fail to open the new file
- ❖ It will create a new file

55. The windows API _____ used to read data from a file and store it in a buffer.

- ❖ Create File()
- ❖ Copy file()
- ❖ Read file()
- ❖ Write file()

56. If the file is not opened in concurrent mode, then ReadFile() API. ReadFile() API starts reading from the _____

- ❖ Backup file
- ❖ Start file
- ❖ End of file
- ❖ Current file

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57.If we want to read 1000 bytes from a file with ReadFile() function but there are actually only 400 bytes in a file then _____

- ❖ Read operation will fail
- ❖ 400 bytes will be read
- ❖ 1000 bytes will be read
- ❖ Exception will be thrown

58.The windows API _____ is used to write data from a better and store it in a file

- ❖ Create file
- ❖ Copy file
- ❖ Read file
- ❖ Write file

59.The return type of writeFile() function is

- ❖ BOOL
- ❖ DWORD
- ❖ LPDWORD
- ❖ LPOVERLAPPED

60.It an invalid file handle is passed as a parameter to the closeFile() function, then it will return _____

- ❖ 1
- ❖ Empty string
- ❖ File handle
- ❖ False value

61.A Unicode word consists of _____ bits

- ❖ 24
- ❖ 32
- ❖ 16
- ❖ 8

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62.In Unicode format, _____ number of character can be encoded.

- ❖ 2^{10}
- ❖ 2^8
- ❖ 2^{32}

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❖ 2¹⁶

63. The latest version of windows supports _____ standard.

- ❖ ASCII
- ❖ Unicode
- ❖ Scan codes

❖ Both ASCII and Unicode

64. TCHAR is a/ an _____ type variable.

- ❖ ASCII
- ❖ Generic
- ❖ Unicode
- ❖ Both ASCII and Unicode

65. _sprintf() is a/ an _____ c library function.

❖ Both ASCII and Unicode

- ❖ Generic
- ❖ Unicode
- ❖ ASCII

66. _tcscmp() is _____ function to compare the string

- ❖ An ASCII
- ❖ A Unicode
- ❖ Not a generic

❖ A generic

67. Which one is the correct definition of generic main() function?

❖ Int-main

- ❖ Int main
- ❖ Int main
- ❖ Int _main

68. All generic data types are include _____ header file.

❖ <tchar.h>

- ❖ <string.h>
- ❖ <windows.h>
- ❖ <char.h>

69. All generic functions are include in _____ header file

❖ <string.h>

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❖ <windows.h>

❖ <char.h>

❖ <tchar.h>

70. TextOutW() is _____ bit API and it supports _____ standard.

❖ 32, Generic

❖ 32, ASCII

❖ 32, Unicode

❖ 16, Unicode

71. The standard C library function atoi() supports _____

❖ Generic code

❖ Unicode

❖ 128-bit character code

❖ 8-bit character code

72. To switch between 8-bit character code and standard Unicode _____ functions and data type are required.

❖ Generic

❖ Non-generic

❖ Unicode

❖ 8-bit

73. Developing generic code needs extra effort but provides maximum _____

❖ Productivity

❖ User-friendly look

❖ Chance of errors

❖ Flexibility

74. What is the return value of GetLastError() function?

❖ It returns error code for last error

❖ It returns a formatted message for last error

❖ It takes input message from user and returns

❖ It returns error message for the last error

75. Which Windows API is used to return a system error code?

❖ GetLastError()

❖ Format message ()

❖ GetLastError()

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- ❖ Both geterror() and format Message()
76. Which header file includes all the Unicode macros for setting environment of a program?
- ❖ <everything.h>
 - ❖ <environment.h>
 - ❖ <tchar.h>
 - ❖ <windows.h>
77. There are _____ number of standard I/O devices in a windows system.
- ❖ Five
 - ❖ Three
 - ❖ Two
 - ❖ Four
78. In a windows system, input _____ and _____ are three standard I/O devices.
- ❖ Error, correction
 - ❖ Output, display
 - ❖ Display, error
 - ❖ Output, error
79. On execution, HANDLE_GetstHandle(DWORDnst Handle) will return a valid handle in case of
- ❖ Passing invalid parameters
 - ❖ Success
 - ❖ Exception AL-JUNAID TECH INSTITUTE
 - ❖ Failure
80. STD_INPUT_HANDLE macro contains a variable, CONIN\$, which is a/an _____.
- ❖ Input variable
 - ❖ Default variable
 - ❖ Environment variable
 - ❖ Console variable
81. STD_OUTPUT_HANDLE contains _____ as an environment variable.
- ❖ CONIN\$
 - ❖ CONOUT\$
 - ❖ CONPRNT\$

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❖ CONDIS\$

82.Option () function takes _____ parameters.

❖ 3

❖ 4

❖ 5

❖ Variable

83.Catfile() function takes _____ parameters.

❖ 3

❖ 5

❖ 4

❖ 2

84. _____ empire is considered to be pioneers of encryption as they used basic encryption algorithms to encrypt secret conversation in a war.

❖ Persian

❖ Chines

❖ Roman

❖ Mughal

85.Roman empire use _____ algorithm to encrypt secret conversation.

❖ CTR

❖ Ceaser cipher

❖ Brute force

❖ Cryto graph

86.The text that we are going to encrypt is called _____ test so it is denoted by

❖ Personal, p

❖ Secret, w

❖ Proposed, p

❖ Plain, p

87.We represent that text by the symbol _____ in the encryption formula.

❖ E

❖ B

❖ A

❖ C

88.The formula of ceaser chopper is _____

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- ❖ $C = (E + W) \bmod 26$
- ❖ $E = (P + n) \bmod 27$
- ❖ $E = (D + n) \bmod 27$
- ❖ $C = (P + n) \bmod 26$

89. We use MoveFileEx() to _____ the existing file

- ❖ Copy
- ❖ Rename
- ❖ **Over write**
- ❖ Delete

90. Which statement is true about hard copy function?

- ❖ Both the files must not be on same system volume.
- ❖ Both the files must be in encrypted form
- ❖ Creates a hard link for copy file
- ❖ **Security attributes will apply on new file name**

91. deleteFile() function takes _____ parameter.

- ❖ 4
- ❖ **1**
- ❖ 2
- ❖ 3

92. Which of the following API is used for copying a file?

- ❖ CopyFile(LPCTSTR lpszExistingFileName, LPCTSTR lpszNewFileName, bool bFailIfExists);
- ❖ Char CopyFile(LPCTSTR lpszExistingFileName, LPCTSTR lpszNewFileName, bool bFailIfExists);
- ❖ **Bool CopyFile(LPCTSTR lpszExistingFileName, LPCTSTR lpszNewFileName, bool bFailIfExists);**
- ❖ String CopyFile(LPCTSTR lpszExistingFileName, LPCTSTR lpszNewFileName, bool bFailIfExists);

93. Correct syntax of MoveFile() function is _____

- ❖ **Bool Move (LPCTSTR lpNewName, LPCTSTR lpExistingFileName);**
- ❖ Bool Move (LPCTSTR lpNewName, LPCTSTR lpNewFileName);
- ❖ Bool MoveFile (bool LPCTSTR lpNewName, LPCTSTR lpExistingFileName);

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❖ Bool Move (bool lpNewName, LIPCTSTR LPCTSTR lpExistingFileName);

94.RemoveDirectory() function takes _____parameter(s)

❖ 1

❖ 4

❖ 3

❖ 2

95.Set currentDirectory() function takes _____ parameter(s)

❖ 2

❖ 1

❖ 4

❖ 3

96.Return type of GetCurrentDirectory() function is ()

❖ Int

❖ Bool

❖ String

❖ **DWORD**

97.createDirectory() function takes _____ parameter(s)

❖ 4

❖ 3

❖ 1

❖ 2

98.deleteFiles() function takes _____ parameter(s)

❖ 1

❖ 4

❖ 3

❖ 2

99.Return type of printMsg() function is _____

❖ DWORD

❖ CHAR

❖ **BOOL**

❖ WORD

100. Return type of printString() function is _____

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- ❖ DWORD
 - ❖ CHAR
 - ❖ **BOOL**
 - ❖ WORD
101. Correct syntax for create console input file is
- ❖ `hln = createFile(_T("CONOUT$"), GENERIC_READ&NULL, OPEN_ALWAYS, FILE_ATTRIBUTE_NORMALNULL);`
 - ❖ `hln = createFile(_T("CONOUT$"), GENERIC_READ,1, GENERIC_WRITE,0&NULL, OPEN_ALWAYS, FILE_ATTRIBUTE_NORMALNULL);`
 - ❖ `hln = createFile(_T("CONINS$"), GENERIC_READ,1, GENERIC_WRITE,0&NULL, OPEN_ALWAYS, FILE_ATTRIBUTE_NORMALNULL);`
 - ❖ `prohln = createFile(_T("CONINS$"), GENERIC_READ,1, GENERIC_WRITE,0&NULL, OPEN_ALWAYS, FILE_ATTRIBUTE_NORMALNULL);`
102. `consoleprompt()` function takes _____ parameter(s)
- ❖ 2
 - ❖ 3
 - ❖ 5
 - ❖ **4**
103. Current syntax of `GetCurrentDirectory()` function is _____
- ❖ `GetCurrentDirectory(DIRNAME_LEN,PwdBuffer);`
 - ❖ `GetCurrentDirectory(DIRNAME_LEN);`
 - ❖ `GetCurrentDirectory(DIRNAME_LEN);`
 - ❖ `GetCurrentDirectory(PwdBuffer);`
104. `GetCurrentDirectory()` function takes _____ parameter(s)
- ❖ **2**
 - ❖ 3
 - ❖ 5
 - ❖ 4
105. Return type of `promptMsg()` function is _____
- ❖ WORD

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❖ **BOOL**

❖ CHAR

❖ DWORD

106. Get Directory() function takes _____ parameter(s)

❖ **2**

❖ 3

❖ 5

❖ 4

107. In NTFS based system _____ is the maximum allowed size for a single file

❖ 2^8

❖ 2^{32}

❖ 2^{16}

❖ **2^{64}**

108. FAT 32 based system _____ is the maximum allowed size for a single file

❖ 2^8

❖ **2^{32}**

❖ 2^{16}

❖ 2^{64}

109. setFilepointer() function takes _____ parameter(s)

❖ 2

❖ 3

❖ 5

❖ **4**

110. PLONG is a _____

❖ **Pointer to a long variable**

❖ String

❖ Variable

❖ Pointer to a string

111. Return type of setFilePointerEx() is _____

❖ String

❖ **Bool**

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- ❖ Word
 - ❖ DWORD
112. In setfilepointer() function, lpNewFilePointer parameter is placed is a/an
- ❖ Handle
 - ❖ **PLARGE_INTEGER**
 - ❖ DWORD
 - ❖ LARGE_INTEGER
113. In setFilePoiter() function, distance to move parameter is placed in
- ❖ DWORD
 - ❖ Handle
 - ❖ PLARGE_INTEGER
 - ❖ **LARGE_INTEGER**
114. There are _____ components of a LARGE integer
- ❖ **2**
 - ❖ 3
 - ❖ 4
 - ❖ 5
115. In the Overlapped structure, ULONG_PTR internal is a _____ field.
- ❖ DWORD
 - ❖ Integer
 - ❖ Pointer
 - ❖ **Reserved**
116. Overlap structure is a structure which is defined in the _____ header file
- ❖ **Window.h**
 - ❖ Stdary.h
 - ❖ Everything.h
 - ❖ Stdio.h
117. In the overlapped structure the data type of ofsetand offsethigh is
- ❖ **DWORD**
 - ❖ WORD
 - ❖ INT

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- ❖ BOOL
118. EOF is short form of _____
- ❖ Erase of file
 - ❖ **End of file** AL-JUNAID TECH INSTITUTE
 - ❖ End of folder
 - ❖ Erase of folder
119. Return types of getfilesizeEx() is _____
- ❖ **Bool**
 - ❖ Char
 - ❖ Int
 - ❖ DWORD
120. To reduce the filesize we use _____ windows API.
- ❖ Setfilesize()
 - ❖ Changefilesize()
 - ❖ **SetendoffileEx()**
 - ❖ setfileEx()
121. File size can be obtained using the _____ windows API.
- ❖ GetFileSizwEx()
 - ❖ FileSizeExGet()
 - ❖ GetFileSize()
 - ❖ **FileSize()**
122. In the RECORD structure, datatype of numRecord is _____
- ❖ **DWORD**
 - ❖ BOOL
 - ❖ Double
 - ❖ Int
123. In the RECORD structure, datatype of numNonemptyRecord is _____
- ❖ **DWORD**
 - ❖ BOOL
 - ❖ Double
 - ❖ Int
124. What will be next code statement, if the following if statement is true? `If (!setFilePointer Ex(nfilecurrentptr, NULL, FILE_BEGIN))`

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- ❖ `ReportError(_T("RecordAccessError: writeFile header"),4,TRUE);`
 - ❖ `ReportError(_T("RecordAccessError: writeFile header"),6,TRUE);`
 - ❖ `ReportError(_T("RecordAccessError: setpointer"),4,TRUE);`
 - ❖ `ReportError(_T("RecordAccessError: set End of File"),5,TRUE);`
125. What will be next code statement, if the following if statement is true?
If (!readFile(hFile& header, size of(Header),&nXfer,&ovzero))
- ❖ `ReportError (_T("RecordAccessError:set End of File."),5,TRUE);`
 - ❖ `ReportError (_T("RecordAccessError:set pointer."),4,TRUE);`
 - ❖ `ReportError (_T("RecordAccessError:write File header."),4,TRUE);`
 - ❖ `ReportError (_T("RecordAccessError:readFile header."),6,TRUE);`
126. During searching files/folders, a data structure _____ is used to store the information about a found file or directory
- ❖ Directory -64
 - ❖ Attribute
 - ❖ Directory -32
 - ❖ **WIN32_FIND_DATA**
127. What will be next code statement, if the following if statement is true?
If (!writeFile(hFile& header, size of(Header),&nXfer,&ovzero))
- ❖ `ReportError (_T("RecordAccessError:set End of header."),6,TRUE);`
 - ❖ `ReportError (_T("RecordAccessError:set pointer."),4,TRUE);`
 - ❖ `ReportError (_T("RecordAccessError:write File header."),5,TRUE);`
 - ❖ `ReportError (_T("RecordAccessError:readFile header."),4,TRUE);`
128. The number of arguments required for Findclose()API is _____
- ❖ 3
 - ❖ **1**
 - ❖ 2 AL-JUNAID TECH INSTITUTE
 - ❖ 0
129. The field flastAccessTime in a WIN32-FIND-DATA structure is used to represent a time when a file was _____ time accessed
- ❖ Closing
 - ❖ **Last**
 - ❖ First

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- ❖ Second ;last
130. Using GetFileTime() API argument(s) is/are provided.
- ❖ Both creation and last access time
 - ❖ Only last access time
 - ❖ **Creation, last access and last write time**
 - ❖ Only creation time
131. GetFileAttribute() API need ____ argument(s) to return the attributes of a file or directory
- ❖ **1**
 - ❖ 2
 - ❖ 3
 - ❖ 0
132. compareFileTime() API returns _____ if both the file time are equal
- ❖ **0**
 - ❖ 2
 - ❖ 1
 - ❖ -1
133. Which option is incorrect when the traverseDirectory() API is required to be use?
- ❖ It allow non-recutsive traversal
 - ❖ **Recursive and non-recursive traversal option is irrelevant**
 - ❖ It allows recursive traversal
 - ❖ It allows both non- recursive and recursive traversal
134. Which of the followings is not an argument of the traverse Directory() API
- ❖ Option for simple listing or recursive processing
 - ❖ Search pattern
 - ❖ Parent path
 - ❖ **File creation time**
135. Temporary files are assigned an extension ____ and they are used to store ____
- ❖ .temp,final result
 - ❖ .tmpe,intermediate result

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- ❖ **.tmp,intermediate result**
 - ❖ .com,intermediate result
136. _____ is not a value argument for setFiletime() function
- ❖ pModifyTime
 - ❖ NULL
 - ❖ **_T(ame)**
 - ❖ _P(accesstime)
137. SetFileTime() function takes a total of arguments.
- ❖ 3
 - ❖ 5
 - ❖ 4
 - ❖ **2**
138. GetsystemTimeAsFiletime() function receive _____ as an argument.
- ❖ File array
 - ❖ **File pointer**
 - ❖ File handle
 - ❖ File objects
139. Which of the following is not a correct argument of options() function
- ❖ Argc
 - ❖ Argv
 - ❖ **_T(amg)**
 - ❖ _T(amc)
140. The fseek() C library function uses _____ bit file position
- ❖ 8
 - ❖ 16
 - ❖ **32**
 - ❖ 64
141. For file processing windows provides a propriating function called _____
- ❖ Pseek64()
 - ❖ Fseek()
 - ❖ **Fseek64()**
 - ❖ Pseek()

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142. In MicrosoftUNIX library, all I/O function are named with _____ prefix.
- ❖ Semicolon
 - ❖ Dot
 - ❖ **Underscore**
 - ❖ Colon
143. In lockFileEx() function, the OVERLAPPED data structure contains _____ data members.
- ❖ **3**
 - ❖ 5
 - ❖ 2
 - ❖ 4
144. File lock can be _____ or _____
- ❖ Read-only, write-only
 - ❖ Read-only, write-only
 - ❖ Read-locked, write only
 - ❖ **Read-only, read-write**
145. The read operation does not conflict with the _____
- ❖ **Existing shared lock**
 - ❖ Remove operation
 - ❖ Write operation
 - ❖ Existing exclusive lock
146. Before encountering a/an _____ lock, the read or write operation can complete its request partially
- ❖ Exclusive lock
 - ❖ Shared lock
 - ❖ Mutually exclusive lock
 - ❖ **Conflicting lock**
147. If process-A has a shared lock on a file, and process-B tries to read without a shared lock then the read attempt will _____
- ❖ Return exception
 - ❖ **Succeed**
 - ❖ Return a shared lock

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- ❖ Fail
148. UNIX system stores information in _____ directory similar to the registry entry
- ❖ /etc
 - ❖ /reg
 - ❖ /key
 - ❖ /root
149. Programmers usually access windows build number through _____
- ❖ Web sockets
 - ❖ Web API
 - ❖ RESI API
 - ❖ Windows API
150. Information about _____ is not present in the registry file.
- ❖ Power supply
 - ❖ Chipset
 - ❖ Memory
 - ❖ Processor
151. _____ information is present in the registry HKEY_CURRENT_CINFIG.
- ❖ Display resolution
 - ❖ Process make
 - ❖ Display size
 - ❖ Memory amount
152. The registry HKEY_CURRENT_USER does not contain _____ information.
- ❖ System fonts
 - ❖ Printers
 - ❖ Environment variable
 - ❖ Application preferences
153. The registry HKEY_LOCAL_MACHNE stores _____ information about the machine
- ❖ Physical
 - ❖ Private

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- ❖ Protected
 - ❖ Logical
154. _____ function enumerates subkey names of an open registry key.
- ❖ RegEnumKey()
 - ❖ RegOpenKey()
 - ❖ RegOpenKeyEx()
 - ❖ **RegENUMKeyEx()**
155. The RegOpenKeyEx() function opens a named _____
- ❖ Instance
 - ❖ **Sub key**
 - ❖ Key
 - ❖ List
156. The function RegCreateKeyEx() has _____ parameters.
- ❖ 8
 - ❖ 7
 - ❖ **9**
 - ❖ 6
157. Is Reg() function processes registry keys rather than _____ and _____
- ❖ Key-value pairs, files
 - ❖ Key-value pairs, properties
 - ❖ Directories, key-value pairs
 - ❖ **Directories, files**
158. RegSetValueEx() function is used to set the data of a _____ value.
- ❖ Final
 - ❖ Fixed
 - ❖ **Named**
 - ❖ Static
159. The exception could occur within a _____ embedded in the try block.
- ❖ List
 - ❖ Function
 - ❖ Constructor
 - ❖ **Block**

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160. If filter_expression returns _____ then windows ignores the exception handler and searches for an exception handler in the enclosing block.
- ❖ EXCEPTION_SKIP_EXECUTION
 - ❖ EXCEPTION_CONTINUE_SEARCH
 - ❖ **EXCEPTION_CONTINUE_EXECUTION**
 - ❖ EXCEPTION_SKIP_SEARCH
161. If the filter-expression was set to continue the execution but it is not possible to continue, then _____ exception code will be returned.
- ❖ EXECUTION-NONCONTINUABLE-EXCEPTION
 - ❖ EXECUTION-NONCONTINUABLE-EXECUTION
 - ❖ EXECPTION-NONCONTINUABLE-EXCEPTION
 - ❖ **EXECPTION-NONCONTINUABLE-EXCUTION**
162. _____ exception code is returned if the process attempts to read or write a virtual address for which it has no access rights
- ❖ EXCEPTION-INTEGERS-VOILATION
 - ❖ EXCEPTION-INTEGERS-BREACH
 - ❖ **EXCEPTION-ACCESS-VOILATION**
 - ❖ EXCEPTION-INTEGERS-BREACH
163. SHE is not supported through _____
- ❖ Run time support
 - ❖ Windows function
 - ❖ Compiler supported language extensions
 - ❖ **Windows registry**
164. The filter-expression in the _____ clause is evaluated immediately after the exception occurs.
- ❖ -try
 - ❖ -catch
 - ❖ **-except**
 - ❖ -finally
165. The value of the _____ determine actions that follow
- ❖ Filter-except
 - ❖ **Filter-expression**
 - ❖ Filter-try

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- ❖ Filter-search
166. _____ function is used to clear the floating-point exception after it is processed.
- ❖ `_clear()`
 - ❖ `_clearfp()`
 - ❖ `_clean()`
 - ❖ `_cls()`
167. Programs can raise their own exception using the _____ function
- ❖ `BuildException`
 - ❖ `RaiseException`
 - ❖ `Createexception`
 - ❖ `GenException`
168. `RaiseException` has _____ parameters.
- ❖ 4
 - ❖ 2
 - ❖ 5
 - ❖ 3
169. The exception handler is actually a code portion associated with _____ block.
- ❖ `-finally`
 - ❖ `-try`
 - ❖ `-except`
 - ❖ `-catch`
170. The new value of floating point mask is determined by its value _____ and its two arguments.
- ❖ `Current-value`
 - ❖ `C-value`
 - ❖ `Current-mask`
 - ❖ `Current-val`
171. The _____ function terminates the process if the program indicates that the error is fatal.
- ❖ `Report handle()`
 - ❖ `Terminate handle()`

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- ❖ Terminate process()
 - ❖ Report error()
172. SIGSEGV error can only be generated by _____ but not by _____
- ❖ Windows, Raise
 - ❖ Linux, macos
 - ❖ Windows, linux
 - ❖ Raise windows
173. A single try block must have a single _____ or _____ block
- ❖ Terminate, Except
 - ❖ Finally, Except
 - ❖ Finally, continue
 - ❖ Terminate, finally
174. _____ function is used within the termination handle to check how the try block is terminated
- ❖ Check termination()
 - ❖ Check handle()
 - ❖ Check termination
 - ❖ Abnormal termination
175. ReportException() function have _____ arguments.
- ❖ 3
 - ❖ 4
 - ❖ 2
 - ❖ 5
176. Second arguments of ReportException()function is _____
- ❖ Exception code
 - ❖ Exception handle
 - ❖ Exception address
 - ❖ Exception name
177. The process or thread can terminate itself using _____ or _____ functions.
- ❖ Terminate process(), Exist thread()
 - ❖ Terminate process(), Terminate thread()
 - ❖ Exist process(), Exist thread()
 - ❖ Exist thread(), Terminate thread()

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178. The termination handler cannot execute the ____ statement
- ❖ Break
 - ❖ **Report**
 - ❖ Continue
 - ❖ Return
179. C++ execution handling is implemented using ____
- ❖ SCH
 - ❖ ECH
 - ❖ ESH
 - ❖ **SEH**
180. A filter function ____ the type of an exception.
- ❖ Restrict
 - ❖ Evaluates
 - ❖ Exclude
 - ❖ **Identifies**
181. The ____ exceptions are enabled with the help of `controlfp()` function
- ❖ **Floating point**
 - ❖ String
 - ❖ Mutex
 - ❖ Integer
182. ____ category is a/an ____
- ❖ Reference variable
 - ❖ **Simple variable**
 - ❖ Class
 - ❖ Pointer
183. Which of the following is the number of parameters taken by `controlfp()` function
- ❖ 3
 - ❖ 4
 - ❖ 1
 - ❖ **2**
184. Which of the following is the number of parameters taken by filter function

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- ❖ 1
- ❖ 2
- ❖ 3
- ❖ 4

185. Which of the following instruction is used to suspend the execution of a program for 5 milliseconds?

- ❖ Sleep(500)
- ❖ Sleep(5000)
- ❖ Sleep(5)
- ❖ Sleep(0.5)

186. Which of the following functions is used to generate a sound beep for 0.7 seconds with the frequency if 750?

- ❖ Beep (750,800)
- ❖ Beep(700,750)
- ❖ Beep(750,700)
- ❖ Beep(750,0.7)

187. A program can be terminated by passing_____ from keyboard

- ❖ Ctrl +p
- ❖ Ctrl +N
- ❖ Ctrl +C
- ❖ Ctrl +Z

188. The return type of WINAPI Handler() function if _____

- ❖ Void
- ❖ Static integer
- ❖ Static bool
- ❖ Static float

189. Correct Syntax of getcurrentdirectory()___

- ❖ lenCurDir = GetCurrentDirectory (DIRNAME_LEN, pwdBuffer)
- ❖ lenCurDir = GetCurrentDirectory (pwdBuffer, DIRNAME_LEN)
- ❖ lenCurDir = GetCurrentDirectory (DIRNAME_LEN)
- ❖ NONE