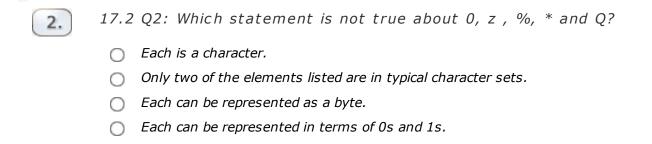
Home Exercícios de múltipla escolha (em Inglês) Exercícios de múltipla escolha (em Inglês)

Capitulo 17

This activity contains 22 questions.

| 1. | Section 17.2 The Data Hierarchy |
|----|--|
| | 17.2 Q1: Select the false statement. C. It is cumbersome to work with data in bit form. |
| | It is easiest to produce electronic devices that can assume one of two stable states. |
| | A binary digit (bit) can store two values simultaneously. |
| | All data items can eventually be reduced to a sequence of 0s and 1s. |



- 3. 17.2 Q3: The data hierarchy, arranged from smallest to largest, is:
 Bit, byte, field, record, file.
 Bit, byte, record, field, file.
 Byte, bit, field, file, record.
 Byte, bit, field, record, file.
- 4. 17.2 Q4: In general, which of the following contains the most amount of data?
 A byte.
 A field.
 A file.
 A database.

| 5. | Section 17.3 Files and Streams |
|----|--|
| | <pre>17.3 Q1: Which of the following does not have a stream associated with it?</pre> |
| | |
| 6. | 17.3 Q2: In order to perform file processing in C++, which header files must be included? <pre></pre> |
| | <cstdio> and <iostream>.</iostream></cstdio> |
| | |
| 7. | 17.3 Q3: Which of the following is not true about files? |
| | Files are opened by creating objects of stream classes. |
| | istream, ostream and iostream are derived from ifstream, ofstream and fstream, respectively. |
| | C++ views each file as a sequential stream of bytes. |
| | Member functions of stream objects can be applied to file streams. |
| | |
| | |
| 8. | Section 17.4 Creating a Sequential File |
| | 17.4 Q1: Select the false statement. d. C++ files do not understand notions such as "records" and "fields." C++ files include information about their structure. C++ imposes no structure on a file. The programmer must impose a structure on a file. |
| 9. | 17.4 Q2: Which file open mode would be used to write data only to the end of an existing file? ios::app. |

| | os::out. |
|-----|--|
| | o ios::trunc. |
| | o ios::in. |
| | |
| | |
| 10. | 17.4 Q3: When used with ofstream objects, operator! is not: |
| | Used to return a nonzero value if an error occurs. |
| | Used to determine if the open operation succeeded. |
| | Overloaded. |
| | Used to close a file explicitly. |
| | |
| | |
| 11. | Section 17.5 Reading Data from a Sequential File |
| | 17.5 Q1: Which of the following will not change the file-position pointer to the same position as the others? Assume a 10-byte file size and a current position at byte # 1. |
| | fileObject.seekg(8, ios::end);. |
| | <pre>fileObject.seekg(1, ios::cur);.</pre> |
| | fileObject.seekg(2);. |
| | <pre>fileObject.seekg(2, ios::beg);.</pre> |
| | |
| | |
| 12. | 17.5 Q2: What is not true about this code segment? |
| | <pre>location = fileObject.tellg();</pre> |
| | |
| | The value of location after the segment executes must be less than or equal to the number of bytes in the file attached to fileObject. |
| | O location is a pointer. |
| | ○ fileObject is an istream object. |
| | The Object is an istream object. |
| | tellg is a member function of fileObject. |
| | |
| | |
| 13. | Section 17.6 Updating Sequential Files |
| 201 | |
| | 17.6 Q1: Which of the following is not a disadvantage of trying to modify a sequential access file? |
| | Overwriting a record with another record of the same size is very difficult. |

| | Modifying data can potentially destroy other data. | |
|-----|---|--|
| | Things that are stored in the same number of "raw data" bytes internally may not take up the same amount of space in a file. | |
| | It may be necessary to modify every record in the file to make a slight change. | |
| | | |
| | | |
| 14. | Section 17.7 Random-Access Files | |
| | 17.7 Q1: Random access files are more effective than sequential files for: | |
| | All of the above. | |
| | Instant access to data. | |
| | Inserting data into the file without destroying other data. | |
| | Updating data easily. | |
| | | |
| | | |
| 15. | 17.7 Q2: A random access file is organized most like a(n): | |
| | Object. | |
| | ○ Class. | |
| | O Pointer. | |
| | Array. | |
| | | |
| | | |
| 16. | Section 17.8 Creating a Random-Access File | |
| | 17.8 Q1: Select the false statement. The write function: | |
| | Writes to files in hexadecimal format. | |
| | Creates unformatted data. | |
| | Takes an argument of type size_t. | |
| | Expects data type const char * as its first argument. | |
| | | |
| | | |
| 17. | 17.8 Q2: Select the false statement. The reinterpret_cast operator: | |
| | ————————————————————————————————————— | |
| | Is compiler-dependent and can cause programs to behave differently on different platforms. | |
| | Changes the value of the object to which its operand points. | |

| | Is easy to use to perform dangerous manipulations that could lead to serious execution-time errors. |
|-----|--|
| | |
| | |
| 18. | 17.8 Q3: To write fixed-length records, use file open mode: |
| | ios::app. |
| | ○ ios::trunc. |
| | ○ ios::ate. |
| | os::binary. |
| | |
| | |
| 19. | Section 17.9 Writing Data Randomly to a Random-Access File |
| | 17.9 Q1: Which of the following functions would not be used to write data randomly to a random access file? |
| | All of the above would be used. |
| | ○ seekp. |
| | o tellg. |
| | write. |
| | |
| | |
| 20. | Section 17.10 Reading from a Random-Access File Sequentially |
| | 17.10 Q1: For an ifstream object A, a class type B and a local variable of type B called C, the proper way to read in one B object from A into C is: |
| | |
| | A.read(char * (&C), sizeof(B));. |
| | <pre>A.read(reinterpret_cast < char * >(&C), B);.</pre> |
| | <pre>A.read(reinterpret_cast < char * >(&C), sizeof(B));.</pre> |
| | |
| | |
| 21. | Section 17.11 Case Study: Transaction-Processing Program |
| | 17.11 Q1: Select the proper object type file("file.dat", ios::in ios::out); |
| | oiostream. |
| | ofstream. |
| | ofstream. |
| | ifstream. |



Section 17.12 Input/Output of Objects

17.12 Q1: Select the false statement. When objects are saved to a file:

- Only data is stored about the object, not type information.
- Different types of objects cannot be written to the same file.
- They can be read from the file at a later time.
- It is often necessary to output the object's type as well.



Submit Answers for Grading

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