|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. In C++, reserved words are the same as predefined identifiers.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *REFERENCES:* | 36 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2. The maximum number of significant digits in values of the double type is 15.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *REFERENCES:* | 41 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3. The maximum number of significant digits in float values is up to 6 or 7.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *REFERENCES:* | 42 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4. An operator that has only one operand is called a unique operator.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *REFERENCES:* | 45 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5. If a C++ arithmetic expression has no parentheses, operators are evaluated from left to right.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *REFERENCES:* | 46 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6. A mixed arithmetic expression contains all operands of the same type.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *REFERENCES:* | 48 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7. Suppose a = 5. After the execution of the statement ++a; the value of a is 6.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *REFERENCES:* | 70 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8. The escape sequence \r moves the insertion point to the beginning of the next line.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *REFERENCES:* | 7 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9. A comma is also called a statement terminator.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *REFERENCES:* | 88 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10. Suppose we declare a variable sum as an int. The statement "sum += 7;" is equivalent to the statement "sum = sum + 7;".   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *REFERENCES:* | 93 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/16/2016 9:02 AM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11. The \_\_\_\_ rules of a programming language tell you which statements are legal, or accepted, by the programming language.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | semantic | b. | logical | |  | c. | syntax | d. | grammatical |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 34 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/16/2016 9:03 AM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12. Which of the following is a reserved word in C++?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | char | b. | Char | |  | c. | CHAR | d. | character |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *REFERENCES:* | 35 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13. Which of the following is a legal identifier?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | program! | b. | program\_1 | |  | c. | 1program | d. | program 1 |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 36 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14. \_\_\_\_ is a valid int value.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | 46,259 | b. | 46259 | |  | c. | 462.59 | d. | -32.00 |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 39 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15. \_\_\_\_ is a valid char value.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | "-129" | b. | ‘A’ | |  | c. | "A" | d. | 129 |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 40 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16. An example of a floating point data type is \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | int | b. | char | |  | c. | double | d. | short |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 41 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17. The memory allocated for a float value is \_\_\_\_ bytes.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | two | b. | four | |  | c. | eight | d. | sixteen |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 41 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18. The value of the expression 17 % 7 is \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | 1 | b. | 2 | |  | c. | 3 | d. | 4 |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 43 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19. The value of the expression 33/10, assuming both values are integral data types, is \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | 0.3 | b. | 3 | |  | c. | 3.0 | d. | 3.3 |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 43-44 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20. The expression static\_cast<int>(9.9) evaluates to \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | 9 | b. | 10 | |  | c. | 9.9 | d. | 9.0 |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *REFERENCES:* | 51 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21. The expression static\_cast<int>(6.9) + static\_cast<int>(7.9) evaluates to \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | 13 | b. | 14 | |  | c. | 14.8 | d. | 15 |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *REFERENCES:* | 51 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22. The length of the string "computer science" is \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | 14 | b. | 15 | |  | c. | 16 | d. | 18 |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 53 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23. In a C++ program, one and two are double variables and input values are 10.5 and 30.6. After the statement cin >> one >> two; executes, \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | one = 10.5, two = 10.5 | b. | one = 10.5, two = 30.6 | |  | c. | one = 30.6, two = 30.6 | d. | one = 11, two = 31 |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 65 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 24. Suppose that count is an int variable and count = 1. After the statement count++; executes, the value of count is \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | 1 | b. | 2 | |  | c. | 3 | d. | 4 |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 69-70 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25. Suppose that alpha and beta are int variables. The statement alpha = --beta; is equivalent to the statement(s) \_\_\_\_.   |  |  |  | | --- | --- | --- | |  | a. | alpha = 1 - beta; | |  | b. | alpha = beta - 1; | |  | c. | beta = beta - 1; alpha = beta; | |  | d. | alpha = beta; beta = beta - 1; |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 70-71 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 26. Suppose that alpha and beta are int variables. The statement alpha = beta--; is equivalent to the statement(s) \_\_\_\_.   |  |  |  | | --- | --- | --- | |  | a. | alpha = 1 - beta; | |  | b. | alpha = beta - 1; | |  | c. | beta = beta - 1; alpha = beta; | |  | d. | alpha = beta; beta = beta - 1; |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *REFERENCES:* | 70-71 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 27. Suppose that alpha and beta are int variables. The statement alpha = beta++; is equivalent to the statement(s) \_\_\_\_.   |  |  |  | | --- | --- | --- | |  | a. | alpha = 1 + beta; | |  | b. | alpha = alpha + beta; | |  | c. | alpha = beta; beta = beta + 1; | |  | d. | beta = beta + 1; alpha = beta; |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 70-71 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28. Suppose that alpha and beta are int variables. The statement alpha = ++beta; is equivalent to the statement(s) \_\_\_\_.   |  |  |  | | --- | --- | --- | |  | a. | beta = beta + 1; alpha = beta; | |  | b. | alpha = beta; beta = beta + 1; | |  | c. | alpha = alpha + beta; | |  | d. | alpha = beta + 1; |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *REFERENCES:* | 70-71 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29. Choose the output of the following C++ statement: cout << "Sunny " << '\n' << "Day " << endl;   |  |  |  | | --- | --- | --- | |  | a. | Sunny \nDay | |  | b. | Sunny \nDay endl | |  | c. | Sunny Day | |  | d. | Sunny \n Day |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 72 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30. Which of the following is the newline character?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | \r | b. | \n | |  | c. | \l | d. | \b |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 72 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31. Consider the following code.  // Insertion Point 1  using namespace std; const float PI = 3.14;  int main() { //Insertion Point 2  float r = 2.0; float area; area = PI \* r \* r;  cout << "Area = " << area <<endl; return 0; } // Insertion Point 3  In this code, where does the include statement belong?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Insertion Point 1 | b. | Insertion Point 2 | |  | c. | Insertion Point 3 | d. | Anywhere in the program |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *REFERENCES:* | 82 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 32. \_\_\_\_ are executable statements that inform the user what to do.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Variables | b. | Prompt lines | |  | c. | Named constants | d. | Expressions |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 89 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 33. The declaration int a, b, c; is equivalent to which of the following?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | inta , b, c; | b. | int a,b,c; | |  | c. | int abc; | d. | int a b c; |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 90 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 34. Suppose that alpha and beta are int variables and alpha = 5 and beta = 10. After the statement alpha \*= beta; executes, \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | alpha = 5 | b. | alpha = 10 | |  | c. | alpha = 50 | d. | alpha = 50.0 |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 92 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35. Suppose that sum and num are int variables and sum = 5 and num = 10. After the statement sum += num executes, \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | sum = 0 | b. | sum = 5 | |  | c. | sum = 10 | d. | sum = 15 |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *REFERENCES:* | 93 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 36. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the process of planning and creating a program.   |  |  | | --- | --- | | *ANSWER:* | Programming programming | | *POINTS:* | 1 | | *REFERENCES:* | 28 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 37. A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a memory location whose contents can be changed.   |  |  | | --- | --- | | *ANSWER:* | variable | | *POINTS:* | 1 | | *REFERENCES:* | 33 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 38. A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a collection of statements, and when it is activated, or executed, it accomplishes something.   |  |  | | --- | --- | | *ANSWER:* | subprogram sub program sub-program function module | | *POINTS:* | 1 | | *REFERENCES:* | 33 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 39. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ functions are those that have already been written and are provided as part of the system.   |  |  | | --- | --- | | *ANSWER:* | Predefined predefined Standard standard | | *POINTS:* | 1 | | *REFERENCES:* | 33-34 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ rules determine the meaning of instructions.   |  |  | | --- | --- | | *ANSWER:* | Semantic semantic | | *POINTS:* | 1 | | *REFERENCES:* | 34 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 41. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ can be used to identify the authors of the program, give the date when the program is written or modified, give a brief explanation of the program, and explain the meaning of key statements in a program.   |  |  | | --- | --- | | *ANSWER:* | Comments comments | | *POINTS:* | 1 | | *REFERENCES:* | 34 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 42. The smallest individual unit of a program written in any language is called a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.   |  |  | | --- | --- | | *ANSWER:* | token | | *POINTS:* | 1 | | *REFERENCES:* | 35 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 43. In a C++ program, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are used to separate special symbols, reserved words, and identifiers.   |  |  | | --- | --- | | *ANSWER:* | whitespaces whitespace white spaces white space | | *POINTS:* | 1 | | *REFERENCES:* | 37 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 44. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ type is C++ ’s method for allowing programmers to create their own simple data types.   |  |  | | --- | --- | | *ANSWER:* | enumeration | | *POINTS:* | 1 | | *REFERENCES:* | 38 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45. The memory space for a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ data value is 64 bytes.   |  |  | | --- | --- | | *ANSWER:* | long long | | *POINTS:* | 1 | | *REFERENCES:* | 39 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 46. The maximum number of significant digits is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.   |  |  | | --- | --- | | *ANSWER:* | precision | | *POINTS:* | 1 | | *REFERENCES:* | 42 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 47. When a value of one data type is automatically changed to another data type, a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ type coercion is said to have occurred.   |  |  | | --- | --- | | *ANSWER:* | implicit | | *POINTS:* | 1 | | *REFERENCES:* | 50 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 48. A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a sequence of zero or more characters.   |  |  | | --- | --- | | *ANSWER:* | string | | *POINTS:* | 1 | | *REFERENCES:* | 53 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 49. In C++, you can use a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to instruct a program to mark those memory locations in which data is fixed throughout program execution.   |  |  | | --- | --- | | *ANSWER:* | named constant constant | | *POINTS:* | 1 | | *REFERENCES:* | 54 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50. A data type is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ if the variable or named constant of that type can store only one value at a time.   |  |  | | --- | --- | | *ANSWER:* | simple | | *POINTS:* | 1 | | *REFERENCES:* | 57 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |