

Questions:

1. An expression using the greater-than, less-than, greater-than-or-equal to, less-than-or-equal-to, equal, or not-equal to operator is called a(n) _____ expression.
 - A. relational
 - B. logical
 - C. rational
 - D. None of the above
2. A relational expression is either _____ or _____.
 - A. boolean or expression
 - B. true or false
 - C. logical or rational
 - D. All of the above
3. The if statement regards an expression with the value 0 as _____.
 - A. zero
 - B. false
 - C. true
 - D. None of the above
4. The if statement regards an expression with a nonzero value as true.
 - A. True
 - B. False
5. For an if statement to conditionally execute a group of statements, the statements must be enclosed in a set of _____.
 - A. parentheses ()
 - B. double quotes “ ”
 - C. single quotes ‘ ’
 - D. braces { }
6. The trailing else in an if/else if statement has a similar purpose as the _____ section of a switch statement.
 - A. case
 - B. break;
 - C. default
 - D. None of the above
7. The if/else if statement is actually a form of the _____ if statement.
 - A. nested
 - B. expanded
 - C. conditional
 - D. All of the above
8. The _____ logical operator has higher precedence than the other logical operators.
 - A. ||
 - B. &&
 - C. !
 - D. |
9. The logical operators have _____ associativity.
 - A. right-to-left
 - B. left-to-right
 - C. left
 - D. right
10. The _____ logical operator works best when testing a number to determine if it is within a range.
 - A. &&
 - B. !
 - C. ||
 - D. None of the above
11. The _____ logical operator works best when testing a number to determine if it is outside a range.
 - A. ||
 - B. &&
 - C. !
 - D. None of the above
12. The scope of a variable is limited to the block in which it is defined.
 - A. True
 - B. False
13. The expression that is tested by a switch statement must have a(n) _____ value.
 - A. floating point
 - B. string
 - C. boolean
 - D. integer

Chapter 4 Answers:

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|---------------------|---------------------|----------------|
| 1. A, Relational | 5. D, braces { } | 10. A, && |
| 2. B, true or false | 6. C, default | 11. A, |
| 3. B, false | 7. A, nested | 12. A, true |
| 4. A, true | 8. C, ! | 13. D, integer |
| | 9. B, left-to-right | |