

• Questions

1. A relational operator
 - A. assigns one operand to another.
 - B. yields a Boolean result.
 - C. compares two operands.
 - D. logically combines two operands.
2. Write an expression that uses a relational operator to return true if the variable george is not equal to sally.
3. Is -1 true or false?
4. Name and describe the usual purpose of three expressions in a for statement.
5. In a for loop with a multistatement loop body, semicolons should appear following
 - A. the for statement itself.
 - B. the closing brace in a multistatement loop body.
 - C. each statement within the loop body.
 - D. the test expression.
6. True or false: The increment expression in a for loop can decrement the loop variable.
7. Write a for loop that displays the numbers from 100 to 110.
8. A block of code is delimited by _____.

- 9.** A variable defined within a block is visible
- A.** from the point of definition onward in the program.
 - B.** from the point of definition onward in the function.
 - C.** from the point of definition onward in the block.
 - D.** throughout the function.
- 10.** Write a while loop that displays the numbers from 100 to 110.
- 11.** True or false: Relational operators have a higher precedence than arithmetic operators.
- 12.** How many times is the loop body executed in a do loop?
- 13.** Write a do loop that displays the numbers from 100 to 110.
- 14.** Write an if statement that prints Yes if a variable age is greater than 21.
- 15.** The library function exit() causes an exit from
- A.** the loop in which it occurs.
 - B.** the block in which it occurs.
 - C.** the function in which it occurs.
 - D.** the program in which it occurs.

16. Write an if...else statement that displays Yes if a variable age is greater than 21, and displays No otherwise.

17. The getch() library function

- A. returns a character when any key is pressed.
- B. returns a character when [Enter] is pressed.
- C. displays a character on the screen when any key is pressed.
- D. does not display a character on the screen.

18. What is the character obtained from cin when the user presses the [Enter] key?

19. An else always matches the _____ if, unless the if is _____.

20. The else...if construction is obtained from a nested if...else by _____.

21. Write a switch statement that prints Yes if a variable ch is 'y', prints No if ch is 'n', and prints Unknown response otherwise.

22. Write a statement that uses a conditional operator to set ticket to 1 if speed is greater than 55, and to 0 otherwise.

23. The && and || operators
- A. compare two numeric values.
 - B. combine two numeric values.
 - C. compare two Boolean values.
 - D. combine two Boolean values.
24. Write an expression involving a logical operator that is true if limit is 55 and speed is greater than 55.
25. Arrange in order of precedence (highest first) the following kinds of operators: logical, unary, arithmetic, assignment, relational, conditional.
26. The break statement causes an exit
- A. only from the innermost loop.
 - B. only from the innermost switch.
 - C. from all loops and switches.
 - D. from the innermost loop or switch.
27. Executing the continue operator from within a loop causes control to go to _____.
28. The goto statement causes control to go to
- A. an operator.
 - B. a label.
 - C. a variable.
 - D. a function.