Self Test:

My answer

Correct answer

~~Wrong answer~~

**Understand Assignment Statements**

1. Which is not a type of statement?
2. Conditional statement
3. Assignment statement
4. Iteration statement
5. Propagation statement
6. What type of statement is the following equation: y = (m\*x) + b?
7. Conditional statement
8. Assignment statement
9. Assertion statement
10. Transfer of control statement
11. Which statements correctly declare *boolean* variables?
12. Boolean isValid = true;
13. boolean isValid = TRUE;
14. boolean isValid = new Boolean (true);
15. boolean isValid = 1;

**Create and Use Conditional Statements**

1. Given x is declared with a valid integer, which conditional statement will not compile?
2. if (x == 0) {System.out.println("True Statement");}
3. if (x == 0) {System.out.println("False Statement");}
4. if (x == 0) {;} elseif (x == 1) {System.out.println("Valid Statement");}
5. if (x == 0) ; else if (x == 1){} else {;}
6. A switch statement works with which wrapper class/reference type(s)?
7. Character
8. Byte
9. Short
10. Int
11. Which of the following statements will not compile?
12. if (true) ;
13. if (true) {}
14. if (true) {;}
15. if (true) {;;}
16. if (true) ;{};
17. All statements will compile.
18. Given:

|  |
| --- |
| public class Dinner {  public static void main (String[] args)  {  boolean isKeeperFish = false;  if (isKeeperFish = true) {  System.out.println("Fish for dinner");  } else {  System.out.println("Take out for dinner");  }  } } |

What will be the result of the application’s execution?

1. Fish for dinner will be printed.
2. Take out for dinner will be printed.
3. A compilation error will occur.
4. Given:

|  |
| --- |
| int x = 1; String result = (x <= 1) ? "We are set for takeoff. " : "Launch Aborted!"; |

After this code is executed, what will be stored in the result variable?

1. We are set for takeoff.
2. Launch Aborted!
3. A compilation error will occur.
4. Given:

|  |
| --- |
| int cartwheelsInAMinute = 30;  if (cartwheelsInAMinute > 48) {  System.out.println("New world record!");  } else if (cartwheelsInAMinute > 30 && cartwheelsInAMinute <= 48) {  System.out.println("Awesome Job!");  } else if (cartwheelsInAMinute > 0 && cartwheelsInAMinute <= 30) {  System.out.println("Still impressive!"); } else {  System.out.println("Keep trying!"); } |

Select the correct answer.

1. New world record! will be printed.
2. Awesome Job! will be printed.
3. Still impressive! will be printed.
4. Keep trying! will be printed.

**Create and Use Iteration Statements**

1. You need to update a value of a hash table (that is, HashMap) where the primary key must equal a specified string. Which statements would you need to use in the implementation of this algorithm?
2. Iteration statement
3. Expression statement
4. Conditional statement
5. Transfer of control statement

**Create and Use Transfer of Control Statements**

1. Which keyword is part of a transfer of control statement?
2. if
3. return
4. do
5. assert
6. Given:

|  |
| --- |
| boolean isValid = true;  while (isValid){  isValid = false;  System.out.print("test1 ");  if (isValid = true) {  System.out.println("test2 ");  break;  }  isValid = false;  System.out.println("test3");  }  } |

What will be printed?

1. Nothing will be printed.
2. test1 will be printed.
3. test1 test2 will be printed.
4. test1 test2 test3 will be printed.