Quiz5 - Results ✕

Attempt 1 of 1

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Attempt Score	**8 / 20 - 40 %**
Overall Grade (Highest Attempt)	**8 / 20 - 40 %**

Question 1   0 / 1 point

Which of the following statements produces the following output, assuming x = 12.4534, and y is an integer of value 3.

Output:

The total cost is 12.45$ for 3 items!

- ◯ System.out.println("The total cost is %f $ for %d items!", x, y);

➡ 🟢 System.out.printf("The total cost is %.2f$ for %d items!", x, y);

- ◯ System.out.printf("The total cost is %7.2f $ for %4d items!", x, y);

✖ ◯ System.out.printf("The total cost is %.2f for %f items!", x, y);

Question 2   0 / 2 points

Analyze the following Java fragment.
```
int data = 5,
    sum = 0;
while ((data % 2) > 0)
{
    sum += data;
}
```

- ◯ There is no error

✖ ◯ There is a syntax error

○ There is an exception error while the code is running

➡ 🟢 There is a logical error while the code is running

Question 3   2 / 2 points

How many times "Welcome to Java " is printed?

```java
int count = 0;
do
{
    System.out.println("Welcome to Java");
} while (count++ < 9);
```

○ 0

○ it issues an error

○ 9

✔ 🟢 10

Question 4   0 / 2 points

What is the output of the following code?

```java
char x = 'a';
while (x < 'e') {
    x ++;
}
System.out.println("x is " + x);
```

➡ 🟢 x is e

✘ ○ There is syntax error

○ x is d

○ x is a

Question 5   0 / 2 points

```java
public class Test {
    public static void main (String args[]) {
        int i = 0;
        for (i = 0; i < 10; i++);
```

```
      System.out.println(i + 4);
    }
  }
```

⇨ 🟢 The program compiles despite the semicolon (;) on the for loop line, and displays 14.

⚪ The program compiles despite the semicolon (;) on the for loop line, and displays 4.

⚪ The program compiles despite the semicolon (;) on the for loop line, and causes an infinite loop

❌ ⚪ The program has a compile error because of the semicolon (;) on the for loop line.

Question 6   2 / 2 points

Which statement is correct about the following java fragment?

```
int count = 0;
while (count < 100) {
   // Point A
   System.out.println("Welcome to Java!");
   count++;
   // Point B
}

// Point C
```

✔🟢 count < 100 is always true at Point A

⚪ count < 100 is always true at Point C

⚪ count < 100 is always false at Point B

⚪ count < 100 is always true at Point B

Question 7   0 / 2 points

Analyze the following Java fragment:

```
String word = input.next(); //input is a Scanner object witch is created before.
String result="";
for (int i=0; i<word.length(); ++i);
      result = word.charAt(i) + result;
System.out.print(%s\n", result);
```

⚪ It prints the reverse of the word

○ It prints the first character of the word

✖ ○ It issues an error because of ; after for loop

➡ 🟢 it issues an error because i is not declared in word.charAt(i)

Question 8   0 / 2 points

What is the value in count after the following loop is executed?

```
int count = 0;
do
{
    System.out.println("Welcome to Java");
} while (count++ < 9);
System.out.println(count);
```

➡ 🟢 10

○ 0

✖ ○ 9

○ 8

Question 9   2 / 2 points

Which of the following loops prints "Welcome to Java" 10 times?

```
A:
 for (int count = 1; count <= 10; count++) {
    System.out.println("Welcome to Java");
 }

B:
 for (int count = 0; count < 10; count++) {
    System.out.println("Welcome to Java");
 }

C:
 for (int count = 1; count < 10; count++) {
    System.out.println("Welcome to Java");
 }
```

D:
```
 for (int count = 0; count <= 10; count++) {
    System.out.println("Welcome to Java");
 }
```

✓ 🟢 A and B

⚪ A, B and C

⚪ B and C

⚪ B and D

Question 10   **2 / 2 points**

The following loop displays _____.

```
for (int i = 1; i <= 10; i++)
{
    System.out.print(i + " ");
    i++;
}
```

✓ 🟢 1 3 5 7 9

⚪ 1 2 3 4 5 6 7 8 9

⚪ 1 2 3 4 5 6 7 8 9 10

⚪ 1 2 3 4 5

Question 11   **0 / 1 point**

Which of the following methods is/are an instance method?

✗ ☐ Character.isUpperCase('A')

✗ ☐ Math.random()

➡ ✗ 🟢 input.nextLine()

➡ ✗ 🟢 "hello".charAt(1)

Done