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Time taken 14 mins 43 secs

Question 1

Complete

Marked out of
1.00

1. What is output by the following code? (Choose all that apply)

```
1: public class Fish {  
2: public static void main(String[] args) {  
3: int numFish = 4;  
4: String fishType = "tuna";  
5: String anotherFish = numFish + 1;  
6: System.out.println(anotherFish + " " + fishType);  
7: System.out.println(numFish + " " + 1);  
8: } }
```

Select one:

- ☐ a. 41
- ☐ b. 5tuna
- ☐ c. 5
- ☐ d. 5 tuna
- ☐ e. 51tuna
- ☒ f. The code does not compile.
- ☐ g. 4 1

Question 2

Complete

Marked out of
1.00

Which of the following methods compile? (Choose all that apply)

Select one or more:

- ☒ a. `public void methodB() { return null;}`
- ☒ b. `public int methodD() { return 9;}`
- ☐ c. `public int methodG() { return null;}`
- ☐ d. `public int methodF() { return;}`
- ☒ e. `public void methodD() {}`
- ☐ f. `public int methodE() { return 9.0;}`
- ☒ g. `public void methodA() { return;}`

Question

3

Complete

Marked out of
1.00

Which of the following are output by this code? (Choose all that apply)

3: String s = "Hello";

4: String t = new String(s);

5: if ("Hello".equals(s)) System.out.println("one");

6: if (t == s) System.out.println("two");

7: if (t.equals(s)) System.out.println("three");

8: if ("Hello" == s) System.out.println("four");

9: if ("Hello" == t) System.out.println("five");

Select one or more:

- ☒ a. five
- ☒ b. one
- ☐ c. The code does not compile.
- ☒ d. three
- ☒ e. four
- ☐ f. two

Question

4

Complete

Marked out of
1.00

What is the result of the following code?

2: String s1 = "java";

3: StringBuilder s2 = new StringBuilder("java");

4: if (s1 == s2)

5: System.out.print("1");

6: if (s1.equals(s2))

7: System.out.print("2");

Select one:

- ☐ a. 2
- ☐ b. No output is printed.
- ☐ c. 1
- ☐ d. 12
- ☐ e. An exception is thrown.
- ☒ f. The code does not compile.

Question

5

Complete

Marked out of
1.00

Which of the following compile? (Choose all that apply)

Select one or more:

- ☐ a. `public void moreC(int... nums, String values) {}`
- ☒ b. `public void moreB(String values, int... nums) {}`
- ☐ c. `public void moreD(String... values, int... nums) {}`
- ☒ d. `public void moreF(String... values, int[] nums) {}`
- ☒ e. `public void moreG(String[] values, int[] nums) {}`
- ☒ f. `public void moreA(int... nums) {}`
- ☒ g. `public void moreE(String[] values, ...int nums) {}`

Question

6

Complete

Marked out of
1.00

What is the result of the following code?

```
public class Lion {  
    public void roar(String roar1, StringBuilder roar2) {  
        roar1.concat("!!!");  
        roar2.append("!!!");  
    }  
    public static void main(String[] args) {  
        String roar1 = "roar";  
        StringBuilder roar2 = new StringBuilder("roar");  
        new Lion().roar(roar1, roar2);  
        System.out.println(roar1 + " " + roar2);  
    }  
}
```

Select one:

- ☐ a. `roar!!! roar!!!`
- ☐ b. An exception is thrown.
- ☐ c. `roar!!! roar`
- ☒ d. `roar roar`
- ☐ e. `roar roar!!!`
- ☐ f. The code does not compile.

Question 7

Complete

Marked out of 1.00

Given the following method, which of the method calls return 2? (Choose all that apply)

```
public int howMany(boolean b, boolean... b2) {  
    return b2.length;  
}
```

Select one or more:

- ☒ a. `howMany(true, new boolean[2]);`
- ☐ b. `howMany(true, {true});`
- ☐ c. `howMany(true, true, true);`
- ☐ d. `howMany(true, true);`
- ☐ e. `howMany();`
- ☒ f. `howMany(true, {true, true});`
- ☐ g. `howMany(true);`

Question 8

Complete

Marked out of 1.00

What is the result of the following code?

7: `StringBuilder sb = new StringBuilder();`

8: `sb.append("aaa").insert(1, "bb").insert(4, "ccc");`

9: `System.out.println(sb);`

Select one:

- ☐ a. `bbaaacc`
- ☐ b. The code does not compile.
- ☐ c. `bbaacc`
- ☒ d. `abbaccca`
- ☐ e. An exception is thrown.
- ☐ f. `abbaacc`

Question 9

Complete

Marked out of 1.00

Which of the following can fill in the blank in this code to make it compile? (Choose all that apply)

```
public class Ant {  
    _____ void method() { }  
}
```

Select one or more:

- ☐ a. `String`
- ☒ b. `final`
- ☐ c. `Public`
- ☐ d. `zzz:`
- ☐ e. `default`
- ☒ f. `private`

Question 10

Complete

Marked out of
1.00

Which of the following compile? (Choose all that apply)

Select one or more:

- ☒ a. **final static void method4() { }**
- ☐ b. **private void int method() { }**
- ☐ c. **public final int void method() { }**
- ☐ d. **void public method() { }**
- ☐ e. **void final method() { }**
- ☒ f. **static final void method3() { }**