Started on	Wednesday, 23 March 2022, 4:46 PM
State	Finished
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	40 1 44

Time taken 18 mins 11 secs

Question

1

Complete

Marked out of 1.00

Suppose we have a class named Rabbit. Which of the following statements are true?(Choose all that apply) 1: public class Rabbit { 2: public static void main(String[] args) { 3: Rabbit one = new Rabbit(); 4: Rabbit two = new Rabbit(); 5: Rabbit three = one; 6: one = null; 7: Rabbit four = one; 8: three = null; 9: two = null;10: two = new Rabbit(); 11: System.gc(); 12: } } Select one or more: a. The Rabbit object from line 3 is first eligible for garbage collection immediately following line 12. b. The Rabbit object from line 4 is first eligible for garbage collection immediately following line 9. c. The Rabbit object from line 3 is first eligible for garbage collection immediately following line 8. d. The Rabbit object from line 4 is first eligible for garbage collection immediately following line 12.

e. The Rabbit object from line 4 is first eligible for garbage collection

f. The Rabbit object from line 3 is first eligible for garbage collection

immediately following line 11.

immediately following line 6.

Question

2

Complete

Marked out of 1.00

Which of the following are true? (Choose all that apply)		
Select one or more:		
a. javac compiles a .class file into a .java file.		
b. Java takes the name of the .bytecode file as a parameter.		
c. javac compiles a .java file into a .class file.		
d. javac compiles a .java file into a .bytecode file.		
e. Java takes the name of the .class file as a parameter.		
f. Java takes the name of the class as a parameter.		

What does the following code output?

e. Compilation fails on line 7.

of. Compilation fails on line 4.

Question **3**

Complete

Marked out of 1.00

```
1: public class Salmon {
2:
    int count;
3:
    public void Salmon() {
4:
         count = 4;
5:
    }
6:
    public static void main(String[] args) {
7:
         Salmon s = new Salmon();
8:
         System.out.println(s.count);
9:
    }
10:}
Select one:
a. Compilation fails on line 3.
b. 0
c. 4
d. Compilation fails on line 8.
```

Question

4

Complete

Marked out of 1.00

```
Which of the following are true? (Choose all that apply)

public class Bunny {

    public static void main(String[] args) {

        Bunny bun = new Bunny();

    }
}

Select one or more:

    a. main is a class.

    b. None of the above.

    c. bun is a reference to an object.

    d. Bunny is a class.

    e. bun is a class.

    f. main is a reference to an object.

    g. Bunny is a reference to an object.
```

Question

5

Complete

Marked out of 1.00

```
What is true about the following code? (Choose all that apply)
```

```
public class Bear {
     protected void finalize() {
         System.out.println("Roar!");
     public static void main(String[] args) {
         Bear bear = new Bear();
         bear = null;
         System.gc();
    }
}
Select one or more:
 a. Garbage collection is guaranteed not to run.
 b. finalize() might or might not be called
 c. Garbage collection is guaranteed to run.
    d. finalize() is guaranteed to be called.
 e. The code does not compile.
 f. Garbage collection might or might not run.
```

g. finalize() is guaranteed not to be called.

Question 6 Complete Marked out of 1.00	Which of the following are true? (Choose all that apply) Select one or more: a. None of the above. b. A local variable of type float defaults to 0. c. A local variable of type boolean defaults to true. d. A local variable of type boolean defaults to null. e. A local variable of type Object defaults to null. f. A local variable of type boolean defaults to false. g. A local variable of type float defaults to 0.0.
Question 7 Complete Marked out of 1.00	Which represent the order in which the following statements can be assembled into a program that will compile successfully? (Choose all that apply) A: class Rabbit {} B: import java.util.*; C: package animals;
	Select one or more: a. C, A b. A, B c. A, C

🗸 d. C, B, A

f. B, C, A

g. A, B, C

✓ e. B, A

Question

8

Complete

Marked out of 1.00

```
Given the following class, which of the following lines of code can replace INSERT
CODE HERE to make the code compile? (Choose all that apply)
public class Price {
     public void admission() {
         INSERT CODE HERE
         System.out.println(amount);
    }
}
Select one or more:
a. int amount = 1_2_;
 b. None of the above.
 \bigcirc c. int amount = 0xE;
 d. int amount = 9L;
 e. double amount = 0xE;
 f. double amount = 1_2_.0_0;
 \bigcirc g. int amount = 0b101;
```

Question

9

Complete

Marked out of 1.00

Which of the following legally fill in the blank so you can run the main() method from the command line? (Choose all that apply)

public static void main()

Select one or more:

- a. String _Names[]
- b. String abc[]
- c. String[] 123
- d. String... \$n
- e. String names
- f. String[] _names
- g. None of the above.

Question	Which of the following are true statements? (Choose all that apply)
10 Complete Marked out of 1.00	Select one or more:
	a. Java is a procedural language.
	b. Java has pointers to specific locations in memory.
	c. Java code compiled on Windows can run on Linux.
	d. Java is an object-oriented language.
	e. Java is a functional programming language.
	f. Java allows operator overloading.

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