

Started on Monday, 23 September 2024, 8:33 PM

State Finished

Completed on Monday, 23 September 2024, 8:43 PM

Time taken 9 mins 30 secs

Marks 2.00/5.00

Grade 40.00 out of 100.00

Question

1

Complete

Mark 1.00 out of 1.00

What data type (or types) will allow the following code snippet to compile?
(Choose all that

apply)

```
byte x = 5;
```

```
byte y = 10;
```

```
_____ z = x + y;
```

Select one or more:

☐ a. boolean

☐ b. short

☒ c. double

☐ d. byte

☒ e. long

☒ f. int

Question 2

Complete

Mark 1.00 out of 1.00

Which of the following statements can be inserted in the blank line so that the code will compile successfully? (Choose all that apply.)

```
public interface CanHop {}  
  
public class Frog implements CanHop {  
  
    public static void main(String[] args) {  
        _____ frog = new TurtleFrog();  
    }  
}  
  
public class BrazilianHornedFrog extends Frog {}  
  
public class TurtleFrog extends Frog {}
```

Select one or more:

- ☐ a. BrazilianHornedFrog
- ☒ b. Object
- ☒ c. Frog
- ☐ d. Long
- ☒ e. TurtleFrog
- ☒ f. CanHop

Question 3

Complete

Mark 0.00 out of 1.00

Given the following class, which of the following is true? (Choose all that apply)

```
1: public class Snake {  
2:  
3:     public void shed(boolean time) {  
4:  
5:         if (time) {  
6:  
7:         }  
8:         System.out.println(result);  
9:  
10:    }  
11: }
```

Ans) The confusion may have arisen from whether time needed to be declared inside the method, but time is indeed valid since it's passed as a parameter. Thus, the code will compile correctly with result declared on line 4.

Select one or more:

- ☒ a. If `String result = "done";` is inserted on line 4, the code will compile.
- ☐ b. If `String result = "done";` is inserted on line 9, the code will compile.
- ☐ c. If `String result = "done";` is inserted on line 6, the code will compile.
- ☒ d. None of the above changes will make the code compile.
- ☒ e. If `String result = "done";` is inserted on line 2, the code will compile.

Question 4

Complete

Mark 0.00 out of 1.00

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

Select one or more:

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

Question 5

Complete

Mark 0.00 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. The code does not compile.
- ☒ b. three
- ☒ c. one
- ☐ d. five
- ☐ e. two
- ☒ f. four