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.

Explanation: If String result = "done"; is inserted on line 2, result would be declared as an instance variable of the Snake class. This makes result accessible within all methods of the class, including the shed method. Therefore, the code will compile correctly.

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**