

<b>Started on</b>	Monday, 23 September 2024, 8:33 PM
<b>State</b>	Finished
<b>Completed on</b>	Monday, 23 September 2024, 8:43 PM
<b>Time taken</b>	9 mins 30 secs
<b>Marks</b>	2.00/5.00
<b>Grade</b>	<b>40.00</b> 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:             System.out.println(result);  
8:         }  
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**