1. Explain the following programming statement in terms of objects and the services they provide.

```java
System.out.println("I gotta be me!");
System.out: _
Println: _
"I gotta be me!": _
```

2. What output is produced by the following code fragment? Explain.

```java
System.out.print("Here we go!");
System.out.println("12345");
System.out.print("Test this if you are not sure.");
System.out.print("Another.");
System.out.println();
System.out.println("All done.");
```

The output produced is:

... ...

3. What is wrong with the following program statement? How can it be fixed?

```java
System.out.println("To be or not to be, that is the question.");
```

Corrected version:

... ...

4. What output is produced by the following statement? Explain.

```java
System.out.println("50 plus 25 is " + 50 + 25);
```

The output produced is:

... ...

5. What is the output produced by the following statement? Explain.

```java
System.out.println("He thrusts his fists\ntagainst" + " the post\nand still insists\nthe sees the \"ghost\"";
```

The output produced is:

... ...

... ...
6. What value is contained in the integer variable `size` after the following statements are executed?

```java
size = 18;
size = size + 12;
size = size * 2;
size = size / 4;
```

*The final value stored in `size` is:* ...

7. What value is contained in the floating point variable `depth` after the following statements are executed?

```java
depth = 2.4;
depth = 20 - depth * 4;
depth = depth / 5;
```

*The final value stored in `depth` is:* ...

8. What value is contained in the integer variable `length` after the following statements are executed?

```java
length = 5;
length *= 2;
length *= length;
length /= 100;
```

*The final value stored in `length` is:* ...

9. Write four different program statements that increment the value of an integer variable `total`.

... ...

10. Given the following declarations, what result is stored in each of the listed assignment statements?

```java
int iResult, num1 = 25, num2 = 40, num3 = 17, num4 = 5;
double fResult, val1 = 17.0, val2 = 12.78;
```

a. `iResult = num1 / num4;`
   *iResult is assigned:* ...

b. `fResult = num1 / num4;`
   *fResult is assigned:* ...

c. `iResult = num3 / num4;`
   *iResult is assigned:* ...

d. `fResult = num3 / num4;`
   *fResult is assigned:* ...