



Quiz I

Problem I

- 1) Which of the following results in a **compile-time** error?
 - a. Not importing the `Scanner` class inside a Java program that uses a `Scanner` object
 - b. Storing a double value in a float variable
 - c. **Both of the above**
 - d. None of the above

- 2) Which of the following is not a primitive data type?
 - a. **Byte**
 - b. short
 - c. long
 - d. All of the above are primitive data types

- 3) Which of the following correctly prints: "Java" is fun
 - a. `System.out.print("\"Java\" is fun");`
 - b. `system.out.print("\"Java\" is fun");`
 - c. `System.out.Print("\"Java\" is fun");`
 - d. **None of the above**

- 4) What output is produced by the following statements?

```
int a=10, b, c;  
b = ++a;  
c = b++;  
System.out.print (a + b + c + "");
```

 - a. 33
 - b. 111112
 - c. **34**
 - d. None of the above

- 5) Which of the following results in a run-time error if the user types a sequence of alphabetic characters? Assume that `scan` is a `Scanner` object that was correctly declared and instantiated.
 - a. `String line = scan.nextLine();`
 - b. `double value = scan.nextDouble();`
 - c. `int value = scan.nextInt();`
 - d. **Both (b) and (c)**

Problem II

1. The following code fragment prints: 2.0

```
int x = 5, y = 2;
double z=x/y;
System.out.print(z);
```

Answer: **True** **False**

2. The following code fragment results in a compile-time error:

```
final double PI = 3.14;
System.out.println(PI);
PI = 3.1416;
System.out.println(PI);
```

Answer: **True** **False**

3. The following code fragment prints: \\

```
System.out.print("\\\\");
```

Answer: **True** **False**

4. The following code fragment results in a logical error:

```
int a = 3, b = 2;
double c = b/a;
System.out.print(c);
```

Answer: **True** **False**

5. The output of the following code fragment is: 3.0

```
double x = 7;
x = x/2;
System.out.print(x);
```

Answer: **True** **False**