



LEBANESE AMERICAN UNIVERSITY
Electrical and Computer Engineering Dept

COE 211
Computer Programming

Spring 2022 (1st Section)
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Quiz I

Problem I

- 1) Which of the following results in a **run-time error**?
 - a. `System.out.println(10/0);`
 - b. `System.out.println(10/0.0);`
 - c. Both of the above
 - d. None of the above

- 2) Which of the following performs a **conversion via promotion**?
 - a. `double sum = 3 + 6.0;`
 - b. `double ratio = 24.0/6;`
 - c. **Both of the above**
 - d. None of the above

- 3) Which of the following **correctly** imports the `Scanner` class?
 - a. `import java.util.Scanner`
 - b. `import java.Util.scanner;`
 - c. `Import java.util.Scanner;`
 - d. **None of the above**

- 4) Which of the following correctly declares and initializes a constant variable representing π ?
 - a. `int PI = 3.1416;`
 - b. `final float PI = 3.1416;`
 - c. **`final double PI = 3.1416;`**
 - d. Both (b) and (c)

- 5) Which of the following results in a **logical error**?
 - a. `System.out.println(5/2);` // Aim is to print 2.5 out
 - b. `System.out.println("" + 3 + 2);` // Aim is to print 5 out
 - c. **Both of the above**
 - d. None of the above

Problem II

1. The following statement outputs: 12

```
System.out.print(1 + (2 + ""));
```

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

2. The following statement outputs: 1.8

```
double val = 9/5;  
System.out.print(val);
```

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

3. The output of the following statement is: 2.0

```
System.out.print(4 / (int) 2.0);
```

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

4. After running the code shown below, the value stored in variable x is 1

```
int x = 4;  
x %= 2 ;  
x = ++x;
```

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

5. The postfix version of the ++ operator (as in a++; for example) has a higher precedence than the prefix version of the ++ operator (as in ++a; for instance).

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