



COE 211

Computer Programming

Spring 2022 (2nd Section)

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Quiz I

Problem I

- 1) Which of the following results in a **compile-time error**?
 - a. `final int val = 23;`
`val = 35;`
 - b. `float val = 23.5f;`
 - c. Both of the above
 - d. None of the above

- 2) Consider an `int` variable called `x` that has been declared and initialized properly. Which of the following can be used to **increment `x` by 2**?
 - a. `x++; ++x;`
 - b. `x+=2;`
 - c. **Both of the above**
 - d. None of the above

- 3) Which of the following **produces the following output: 11 11**?
 - a. `int x=9, y; y=++x; y=x++; System.out.print(x + " " + y);`
 - b. `int x=9, y; y=x++; y=++x; System.out.print(x + " " + y);`
 - c. Both of the above
 - d. None of the above

- 4) Which of the following is not a valid assignment statement?
 - a. `int val1 = (int) 23.5;`
 - b. `double val2 = 23;`
 - c. `float val3 = 23.5;`
 - d. Both (b) and (c) are not valid

- 5) Which of the following **is** a primitive data type?
 - a. Scanner
 - b. **byte**
 - c. String
 - d. None of the above

Problem II

1. The following statement outputs: 12

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

Answer: True **False**

2. The following statements output: 2.5

```
double val = (double) (5/2);
```

```
System.out.print(val);
```

Answer: True **False**

3. The output of the following statement is: 3

```
System.out.print((int) 3.6);
```

Answer: **True** False

4. After running the code shown below, the value stored in variable x is 3

```
int x = 4;
```

```
x %= 2 ;
```

```
x += 3 ;
```

Answer: **True** False

5. The following statement outputs: \\

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

Answer: **True** False