



ACADGILD

SESSION 3: OOPs, METHODS & CONSTRUCTORS

Assignment 3

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Table of Contents

1. Introduction	3
2. Objective	3
3. Prerequisites	3
4. Associated Data Files	3
5. Problem Statement.....	3
6. Expected Output	3
7. Approximate Time to Complete Task	3

JAVA

1. Introduction

This assignment will test your knowledge on Variables and their initialization.

2. Objective

This assignment will help you to master the following concepts:

- Variables and their Initialization
- Error Finding

3. Prerequisites

Not applicable.

4. Associated Data Files

Not applicable.

5. Problem Statement

What would happen when the following is compiled and executed.

```
class example {
```

```
    int x; int y;
```

```
    String name;
```

```
    public static void main(String args[]) {
```

```
        example pnt = new example();
```

```
        System.out.println ("pnt is " + pnt.name + " " + pnt.x + " " + pnt.y);
```

```
    } }
```

6. Expected Output

Select one correct answer:

- a. The program does not compile because x, y and name are not initialized.*
- b. The program throws a runtime exception as x, y, and name are used before initialization.*

JAVA

- c. The program prints pnt is 0 0.*
- d. The program prints pnt is null 0 0.*
- e. The program prints pnt is NULL false false*

7. Approximate Time to Complete Task

20 mins