

MDI IT DIPLOMA: JAVA TEST I

INSTRUCTOR: BUBA BOJANG

1.
 - a. Explain the relationship between a class and an object.
 - b. List down all primitive data types.
 - c. Differentiate between **instance** variables and **class** variables.
 - d. Match the correct answer to each description.
 - Cannot be accessed by subclasses:
 - Datahiding :
 - Shared by all instances of a class:
 - Have a constant value:
 - References the current class:

Static, final, this, protect, private, interfaces, encapsulation

2.
 - a. Let **int x = 11, int y = 13, int z = 5;**
int total = y + x * z + 7;
What value does **total** hold?
 - b. Let **int x = 0; double y = -57.667;**
Considering the operation **x = y;**
What is wrong with this operation? What can you do to make it right?
What will be the final result of the integer **x** after correction?
 - c. What will be the output of the following java code?

```
public class Helloworld {
    public static void main(String [] args){
        int value = 7;
        if(value % 3 == 2){
            System.out.print ("Thumbs up!");
        }else{
            System.out.print ("Thumbs down!");
        }
    }
}
```