## Assignment 2: COMP 1123 – Computer Programming 2

Part A- Create a class called *Presentation* that has as instance variables a 'number of slides', a 'name of theme', and a 'total time to present'. The constructor should set all of these values. You will also implement methods to manipulate and retrieve presentation details by creating setters and getters for all instance variables.

The instance variables are set in the constructor as follows:

- The 'number of slides' is randomly generated between 10 and 50.

- The 'time to present' is randomly generated between 300 and 1000 seconds.

- The 'theme of the presentation' is passed as a parameter to the constructor.

Presentation should have a method called **timePerSlide()** that takes no input and returns how much time each presentation takes per slide. Time to present and time per slide should be measured in seconds, with decimals possible.

Write a coherent **toString()** method so that when a Presentation object is printed, the user understands the number of slides, the name of theme, and the time per slides of the Presentation object.

Presentation should also have a method called **formattedTheme()** that returns the theme name in uppercase.


Part B- Create another class called *Main*, which contains the main method with following instructions:

1. Create three Presentation objects with different themes of your choice (for example, "MOTIVATIONAL", "DARK", and "SUMMER").

2. Print the three Presentation objects.

3. Modify the presentations objects:

   o Change the theme of the first presentation to "CITY".

   o Change the time to present of the second presentation to 600 seconds.

   o Change the number of slides in the third presentation to 15.

   4. Print all presentations again after the modifications.


Look at the sample run in the next page.

**Sample Output** (Your output will vary due to randomization)

```
Presentation stats:
38 slides
MOTIVATIONAL theme
78.0 seconds per slide


Presentation stats:
22 slides
DARK theme
56.0 seconds per slide


Presentation stats:
44 slides
SUMMER theme
37.0 seconds per slide


Presentation stats:
38 slides
CITY theme
78.0 seconds per slide


Presentation stats:
22 slides
DARK theme
79.0 seconds per slide


Presentation stats:
15 slides
SUMMER theme
89.0 seconds per slide
```

**Submission Instructions:**

Put both Java files in one ZIP file.

Name the ZIP file using the format **Assignment2_StudentName_StudentID.zip**