**Assignment # 1**  **Java Fundamentals**

**Weight:** **10%**

**Instructions:**

* This is an individual assignment so work submitted should be created by you
* Submit java files and the output of the program by adding into zip file on BlackBorad
* Your name must be displayed in the output as “Developed and Created by: <Your name> “
* You should demo this in person in the class.
* Late assignment will be penalized with **5% per day** and will **not be accepted after 5 days**

**Description:** Develop an application that should generate a report card of student’s performance in the Java Programming 1 course.

Your application should accept name of the student. It should also accept the following information:

* scores for 2 assignments where score for each assignment is out 20
* scores for 3 labs where score for each lab is out of 10
* score for midterm and final exam, each out of 100

Then it should compute the following:

* %age score of each component and the overall percentage.

It should display all the information in the report card format i.e. name of student, name of course, details of score of each component, total in each component and %age in each component along with the overall %age.

All the totals should be displayed with 2 decimal places and all the %ages should be displayed with the 2 decimal places along with %age sign.

**Evaluation**: Your work will be evaluated based upon the following criteria:

**Functionality** –

* Accepting the needed data with proper message (1 point)
* Performing needed calculations (1 points)
* Displaying the output. (1 point)

**Output –**

* Provides the required output (1 point)
* Display the information using proper format (1 point)
* The output is well organized for the report card (1 point)

**Quality** –

* Declared the needed constants (1 point)
* Used proper Java Conventions while naming different identifiers (1 point)
* Proper indentation and added comments to explain code (2 point)