**Java Programming Assignment #3**

**100 points- Due date - Sept 23 (Late assignments accepted until Sept 25 with point reduction)**

NOTE\* There are a lot of variables to keep track of here, so you must name your data names that are relevant. For example, you could call the number of full time students and part time students:

int full\_time\_students;

int part\_time\_students;

Points will be taken off if data is not defined correctly. Data that has no decimal places are integers and data that needs decimal places are doubles.

You are to write a program to do the following:

1. **Read the following data from separate dialog boxes:**

* **Name of the University**
* **Number of Full time students**
* **Total number of credits Full time students are taking**
* **Number of Part time students**
* **Total number of credits Part time students are taking**

1. **Calculate the following:**

* **Total full time tuition** = number of credits taken by full time students times 300
* **Total part time tuition** = number of credits taken by part time students 300
* **Total tuition** = Total full time tuition + Total part time tuition
* **Total enrollment** = number of full time students + number of part time students
* **Average full time credits being taken**=total number of full time credits divided by number of full time students
* **Average part time credits being taken** =total number of part time credits divided by number of part time students
* **Percentage of full time students** = full time students divided by Total enrollment
* **Percentage of part time students** = part time students divided by Total enrollment

1. **Using System.out statements (or a dialog box statement), print out all data that was both read in and all data that was calculated**

* Name of the University
* Total number of Full time students in the University
* Total number of Full time credits
* Average number of Full time credits
* Total number of Part time students in the University
* Total number of Part time credits
* Average number of Part time credits
* Total Full time tuition
* Total Part time tuition
* Total tuition
* Total enrollment
* Percentage of full time students
* Percentage of part time students

**What to turn in:**

* **Create a word document with you name and date at the top**
* **Next Copy your source code to the document.**
* **Next Copy a screen print of the program running to the word document**
* **Upload the word document to Blackboard**