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| **CS1101 Lab 8** |

**Released on: Monday October, 2**
**Due on: Monday October, 16**

**How:** submit on Piazza in folder lab8
**What:** your java file named “yourLastNameYourFirstNameLab8.java”, and a word file “yourLastNameYourFirstNameLab8.docx”.

So far, through your reading and homework assignments, you have learned a lot of the Java language. In particular, you are now familiarized with:

* Variables;
* Arrays;
* Conditionals; and
* Loops.

In this lab, you will design a **command-line quiz** to test people on the above topics.

**Requirements:**

1/ The quiz needs to have **at least 10 questions**.

2/ You need to **keep track of the number of points** obtained by the person taking the quiz.

3/ At the end, you need to **output the score** on the terminal.

**Here is what you have to do:**

In a word document named yourLastName-yourFirstNameLab9.docx:

1/ Describe the quiz you plan to design.

2/ Write your algorithm that implements the quiz.

In the java file renamed as yourLastNameYourFirstNameLab9.java:

3/ Write the java translation of your above algorithm.

4/ Be ready to demonstrate the working of your java program and to explain what it does to your TA.

**Criteria for grading:**

0/ [10 pts] Your lab is submitted according to specifications
1/ [10 pts] Your file should compile and execute without any glitch
2/ [25 pts] When executed, your program should produce the expected solution to your stated problem

3/ [20 pts] Your code should be well indented
4/ [10 pts] Your code should be commented appropriately (think that someone else would use it in the future)
5/ [10 pts] Your code makes proper use of conditionals
6/ [15 pts] When asked to demonstrate your lab, you show mastery of the java file content and are able to modify it on the spot as requested