

# **CS212 Object-Oriented**

## **Assignment # 01 (20 Points) - Individual Assignment**

**[CLO3] - Develop programs using object oriented techniques.**

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### **Instructions:**

**Note:** You will upload your submission on LMS through the submission link (a single Zip file) and submit a printed copy of your code in the class/lab.

**Plagiarism in assignment will lead to **ZERO** marks.**

### **Submission Date:**

**March 4<sup>th</sup>, 2018 [You will give a demo of your developed application in the lab.]**

### **TASK:**

Your task is to develop a command prompt based Java calculator application with complete functionality. In addition to the basic arithmetic functionality, you can add on classes for logarithmic functions and any other extended functionality of a calculator.

Using a command prompt, your application should inquire from user the arithmetic calculation that needs to be performed. When user gives input, the required functionality should be performed. The concepts of classes, constructor, this reference, methods, method overloading, various access modifiers etc. should be used in your application.