

**American International University- Bangladesh**

**CSC 1205: Object Oriented Programming 1 (JAVA)**

**CO4 Evaluation**

**Project Concluding Report**

**Spring 19-20**

**Project Title: Simple Calculator**

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| Student Name | Student Id |
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**Introduction:**

*In our day to day life we can not just calculate all the calculations by hand so this project is made to make our life easier.*

**Problem Analysis:**

*We have to calculate between two numbers every day. It is really difficult to solve those by hand and really time consuming. We can calculate those calculations with our projects with just few clicks.*

**UI Design Analysis:**

At first the users will be asked what operation would they like to perform. After typing the corresponding number they will be asked to type two numbers. As soon as they press enter they will be shown the result.

As this is the beta version it is not good looking. I am looking forward to make it better to watch.

**Logical Analysis:**

*Simple arithmetic expressions like addition, subtraction, multiplication, division, square, cube and power functions are being used in this project. All of these logics worked absolutely fine.*

**OOP Concept Analysis:**

*The object oriented programming concepts that r used in this projects are:*

1. *Polymorphism: Polymorphism refers to the ability of a method to be used in different ways, that is, it can take different forms at different times*
2. *Encapsulation: Encapsulation refers to keeping objects with their methods in one place. It also protects the integrity of the data – prevents it from being needlessly altered by restricting access to the data, preferably by hiding it from outside elements*
3. *Inheritance: lasses can share, obtain or “inherit” properties and methods that belong to existing classes.*

**Impact of this Project:**

*This project will have a huge impact in our day to day life as everybody has to do some calculations every single day. Whenever we need to do any calculation with this project in hand we can do the calculation in no time.*

**Limitations and Possible Future Improvements:**

For this project to work fine we need a computer or a device that can run java but it is not possible for us to have those all the time as we didn’t make it compatible for cell phones. We are looking forward to do it in future.