Ahsanullah University of Science &Technology

Advanced Calculator

Submitted To:

Mohammad Tanzilur Rahman

Md.Aminur Rahman

Faculty of Dept.CSE,AUST
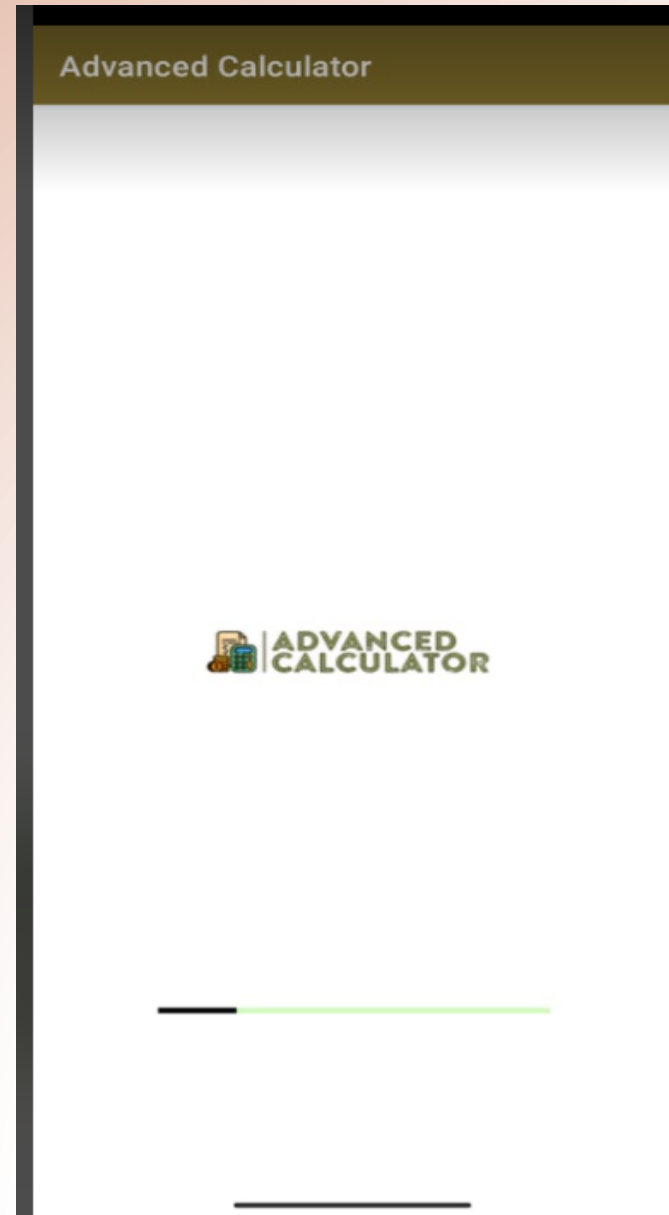
Submitted By:

Nirjoy Debnath

ID:190104139

Anika Tasnim Aurin

ID:190104147
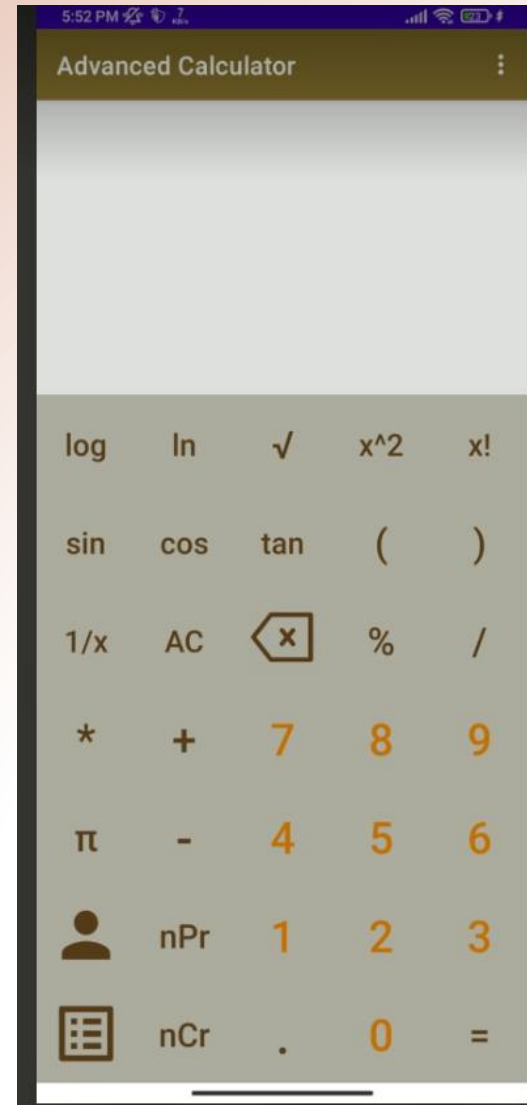
ABOUT THE APP & TOUR OF THE APP

In this app you will not only get a well functioning calculator to solve mathematical equations but also you will get a BMI Calculator and different types of converters all in one place .This app can be useful for various purpose .

Main Application

Our main focus was to build a simple calculator with some special features. Some of the features are root, square, factorial, nCr, nPr .There are delete ,refresh options as well as.

Exception Handling: In the case on nCr and nPr if the value of r is greater than n ,it is mathematically wrong so there will be a toast message showing that .

Menu

The features are :
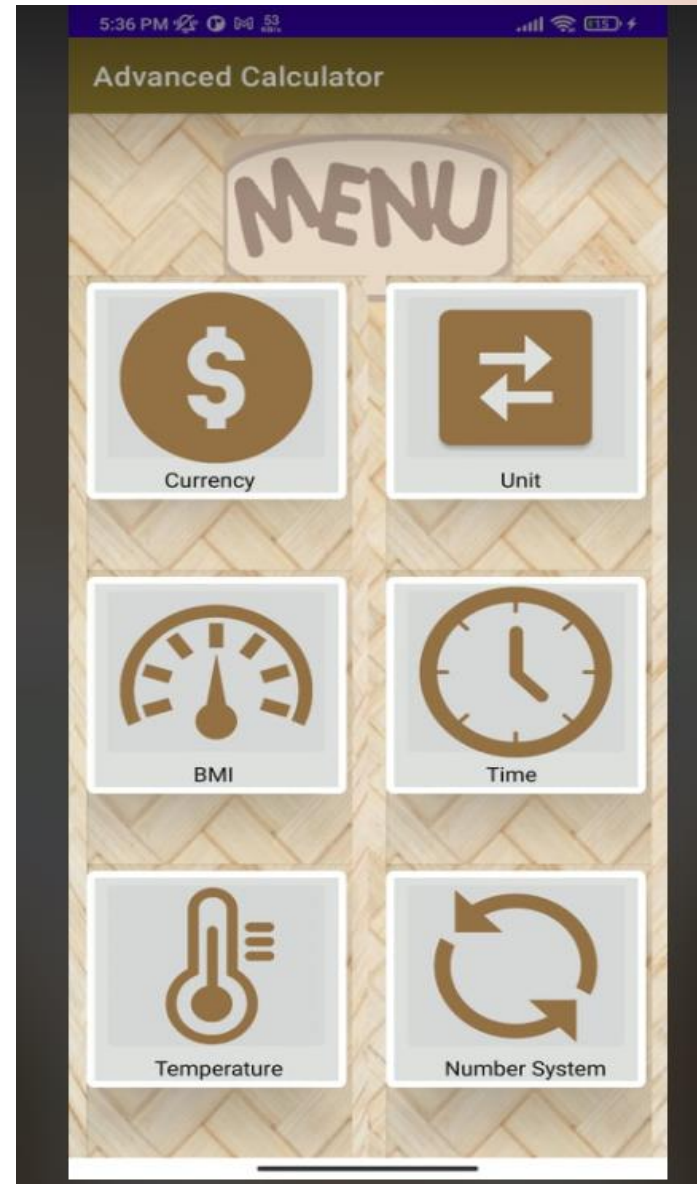
Currency Converter

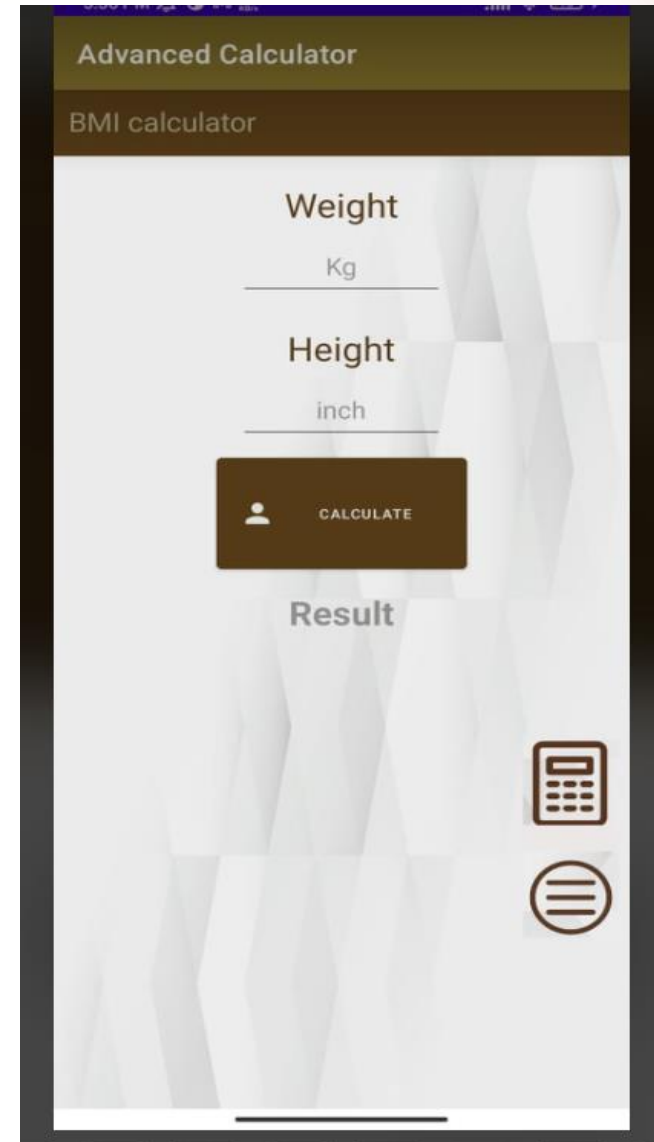BMI Calculator

Unit Converter

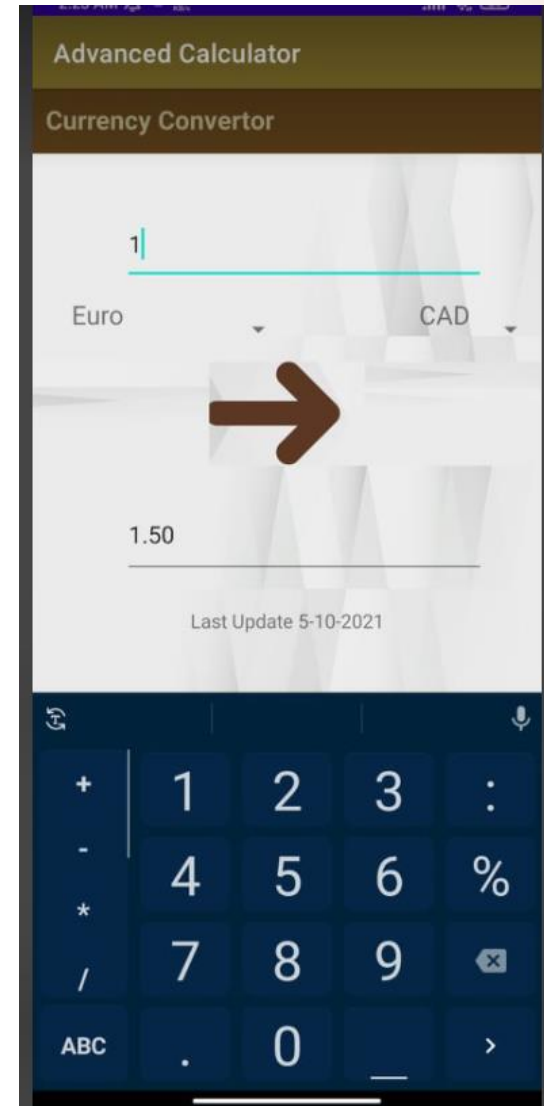Time Converter

Temperature Converter

Number System

BMI

We will get a BMI Converter .The correct output will be given with a comment about it .In every page there are two buttons, one directs to the calculator and the other directs to the menu.
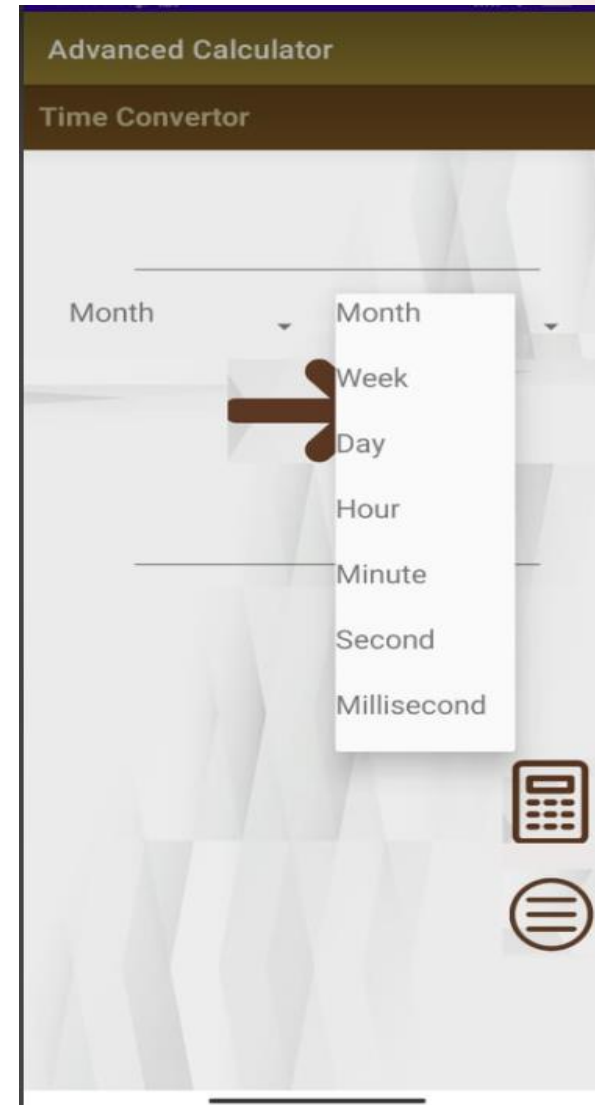
Currency

In this feature the input as well as the output currency can be converted in to Euro, Dollar, Currency, Rupee, Taka, CAD .The output will be given on the basis of the latest of the global market .
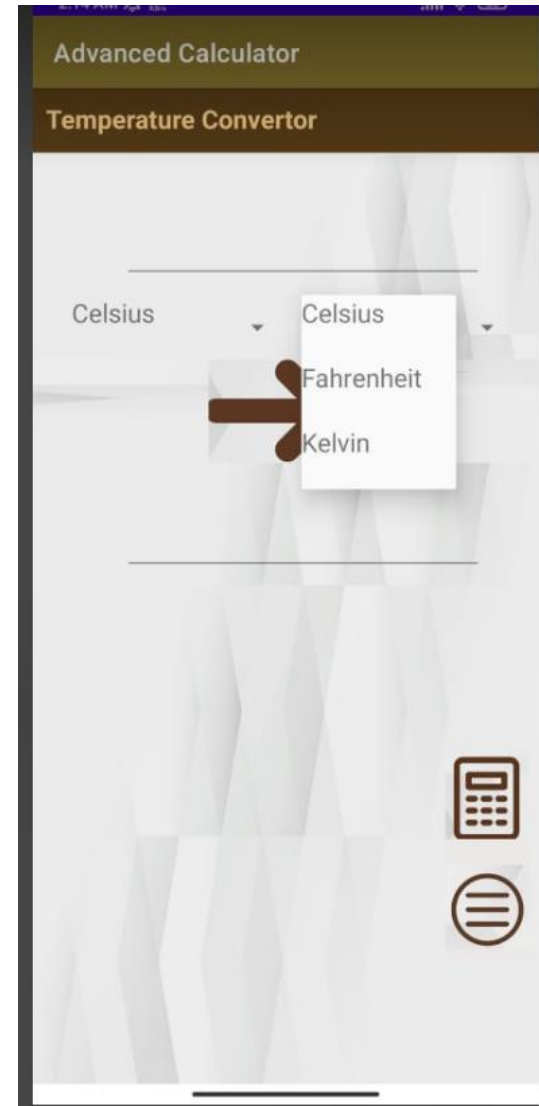
Time

In our time converter both of the input and output time can be in the form of month, week, second, hour, minute, millisecond .There are two buttons as well as .
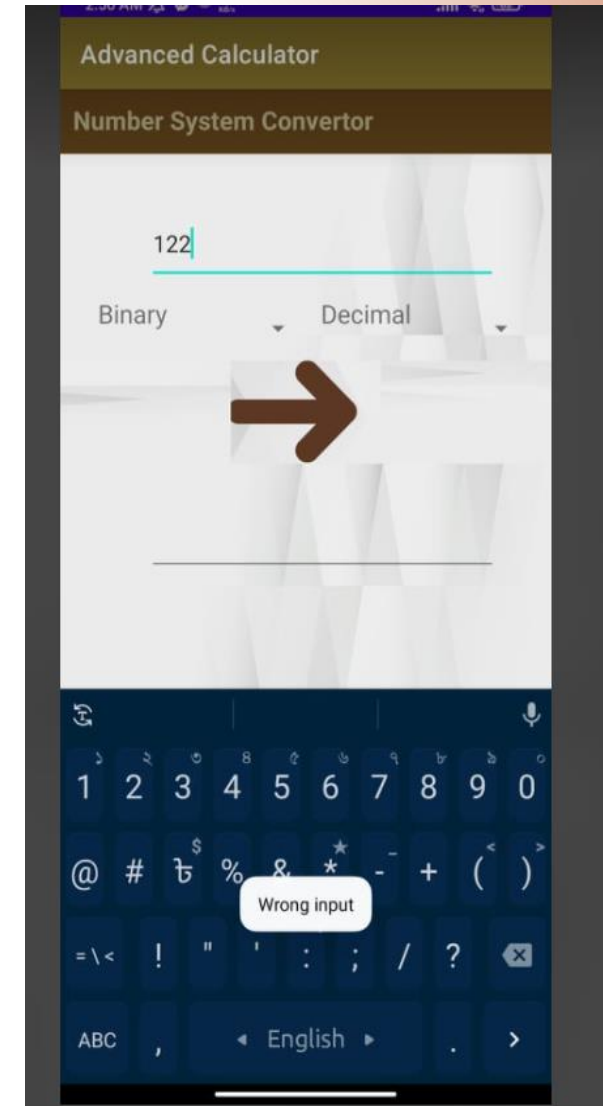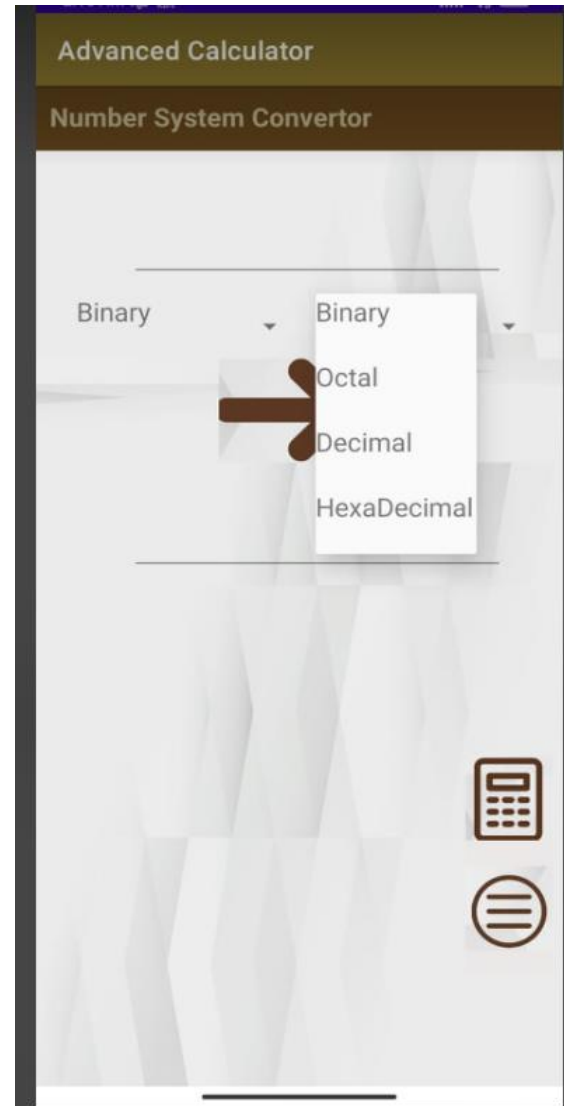
Temperature

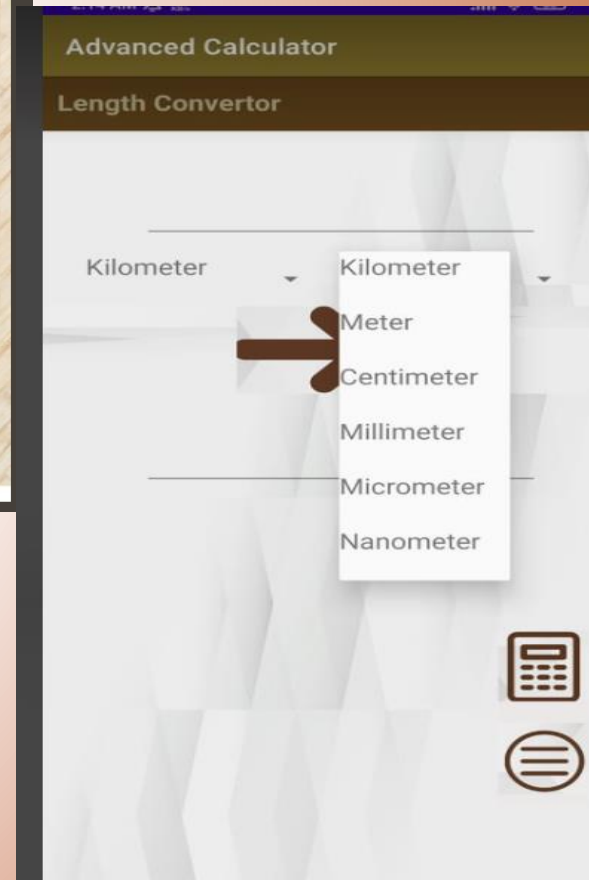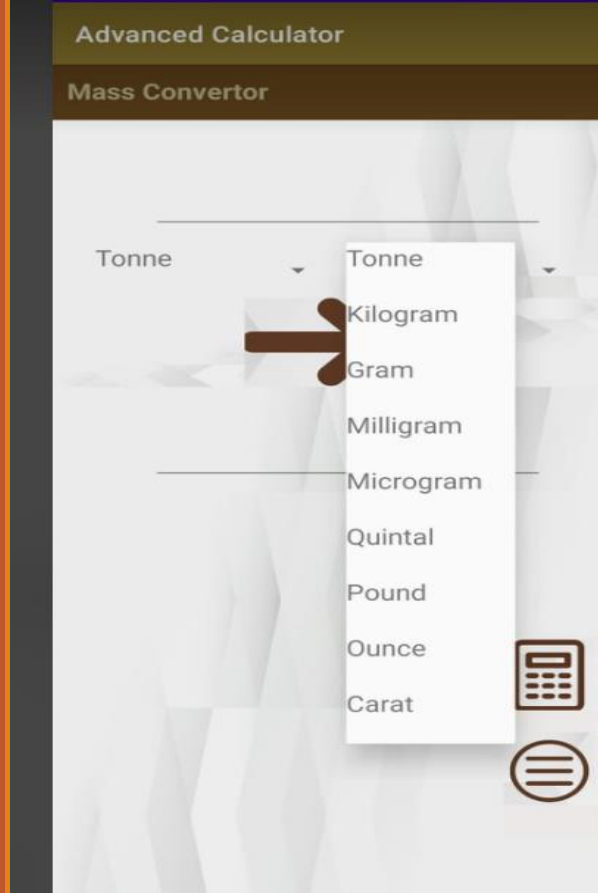The output and input time can be given in to Farenheit ,Celcius ,Kelvin .

Number System

In this number system the input value as well the output value can be in Decimal,Binary,Hexadecimal, Octal form .

Exception Handling : In case of Binary in there can be no value expect 0 and 1 so there will be a toast message showing that. All the other case like this has been handled here .
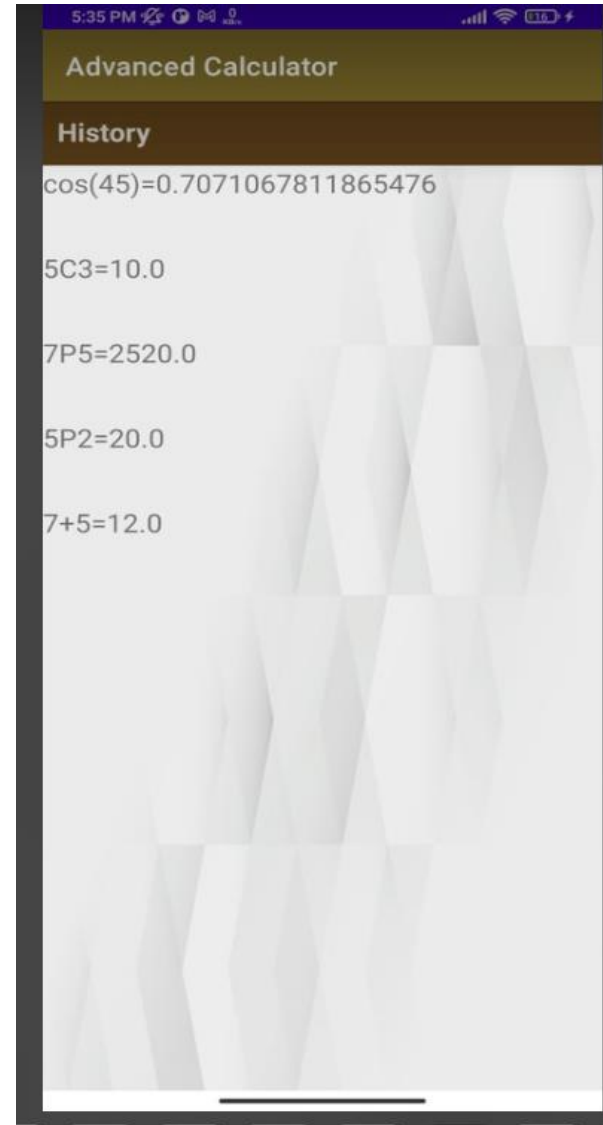
Unit

There are two types of converter one is to convert length and the other is to convert the mass.
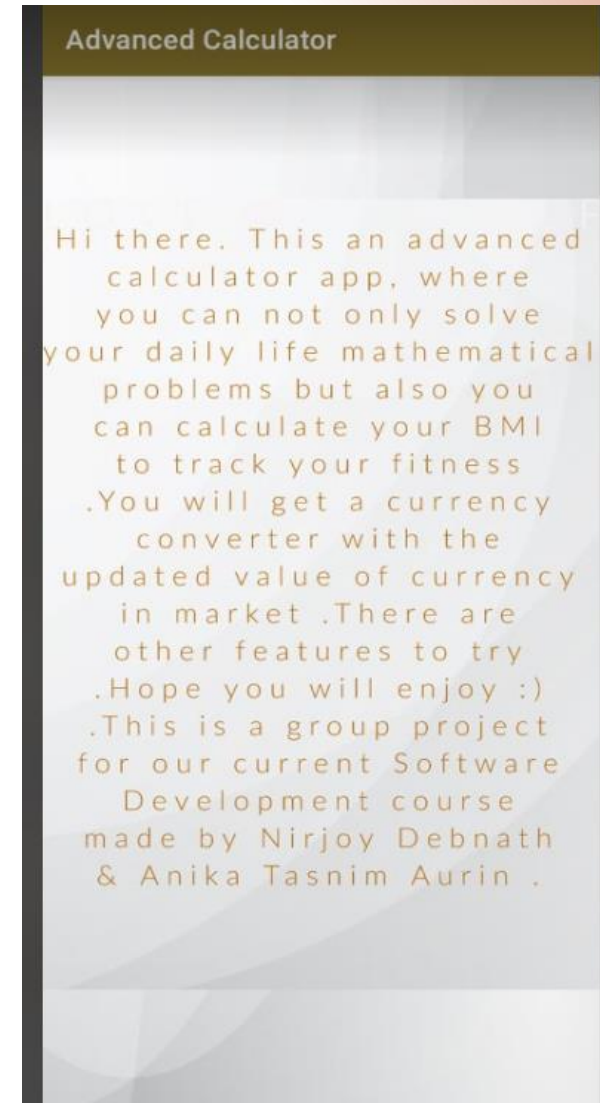
History

The last five attempts of the user will be saved serially .

About Us

We have created a submenu to open this tab, about us in which we have wrote a little about this project .

The Parts of The Project We Have Not Implemented

We could have done better if we added a log in with the user's email address option .This would have been more secure for the users to save their work history .

Future plan :

The future plan is to complete the unfinished part .We want to add matrix solving option and equation solving option . We would like to develop this app with latest features for the upcoming days so that users can get their solutions in one place .

Conclusion:

This application named "Advanced Calculator" and the report above was made by Anika Tasnim and Nirjoy Debnath .Hopefully the users will find it useful .