**Assignment #1:**

**Simple calculator:**

import 'package:flutter/material.dart';

void main() => runApp(MyApp());

class MyApp extends StatelessWidget {

  @override

  Widget build(BuildContext context) {

    final appTitle = 'Add Two Numbers';

    return MaterialApp(

      title: appTitle,

      home: Scaffold(

        appBar: AppBar(

          title: Text(appTitle),

        ),

        body: AddTwoNumbers(),

      ),

    );

  }

}

class AddTwoNumbers extends StatefulWidget {

  @override

  \_AddTwoNumbersState createState() => \_AddTwoNumbersState();

}

class \_AddTwoNumbersState extends State<AddTwoNumbers> {

  TextEditingController num1controller = new TextEditingController();

  TextEditingController num2controller = new TextEditingController();

  String resulttext = "0";

  @override

  Widget build(BuildContext context) {

    return Container(

      child: Column(

        children: <Widget>[

          Row(

            children: <Widget>[

              Text("Number 1 : "),

              new Flexible(

                child: new TextField(

                  keyboardType: TextInputType.number,

                  controller: num1controller,

                ),

              ),

            ],

          ),

          Row(

            children: <Widget>[

              Text("Number 2 : "),

              new Flexible(

                child: new TextField(

                  keyboardType: TextInputType.number,

                  controller: num2controller,

                ),

              ),

            ],

          ),

          Row(

            mainAxisAlignment: MainAxisAlignment.center,

            children: <Widget>[

              RaisedButton(

                child: Text("+"),

                onPressed : () {

                  setState(() {

                    int result = int.parse(num1controller.text) + int.parse(num2controller.text);

                    resulttext = result.toString();

                  });

                },

              ),

              RaisedButton(

                child: Text("-"),

                onPressed : () {

                  setState(() {

                    int result = int.parse(num1controller.text) - int.parse(num2controller.text);

                    resulttext = result.toString();

                  });

                },

              ),

              RaisedButton(

                child: Text("x"),

                onPressed : () {

                  setState(() {

                    int result = int.parse(num1controller.text) \* int.parse(num2controller.text);

                    resulttext = result.toString();

                  });

                },

              ),

              RaisedButton(

                child: Text("/"),

                onPressed : () {

                  setState(() {

                    double result = double.parse(num1controller.text)/double.parse(num2controller.text);

                    resulttext = result.toStringAsPrecision(3);

                  });

                },

              )

            ],

          ),

          Row(

            mainAxisAlignment: MainAxisAlignment.center,

            children: <Widget>[

              Text("Result:",

                style: TextStyle(

                    fontSize: 30,

                ),),

               new Text(resulttext,

                 style: TextStyle(

                  fontSize: 30,

               ),),

            ],

          ),

        ],

      ),

    );

  }

}