Main Page.

```dart
import 'package:flutter/material.dart';
import 'package:calculatore/homescreen.dart';
void main() {
  runApp( MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({super.key});

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      home: HomeVi(),
    );
  }
}
```

Home Screen Page

```dart
import 'package:calculatore/Constant.dart';
import 'package:calculatore/MyButton.dart';
import 'package:flutter/material.dart';
import 'package:math_expressions/math_expressions.dart';

class HomeVi extends StatefulWidget {
  const HomeVi({super.key});

  @override
  State<HomeVi> createState() => _HomeViState();
}
var userInput='';
var anwser='';
class _HomeViState extends State<HomeVi> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(

backgroundColor: Colors.black,
      body: Column(
        children: [
          Expanded(
            child: Padding(
              padding: const EdgeInsets.symmetric(vertical: 10),
              child: Column(
                crossAxisAlignment: CrossAxisAlignment.end,
                mainAxisAlignment: MainAxisAlignment.end,
                children: [
                  Align(
                      alignment:Alignment.bottomRight,
                      child: Text(userInput.toString(),style:
TextStyle(fontSize: 30,color: Colors.white),)),
```

```dart
                SizedBox(
                  height: 10,
                ),
                Text(anwser.toString(),style: TextStyle(fontSize: 30,color:
Colors.white),),

              ],
            ),
          ),
        ),
      Expanded(
        flex: 3,
        child: Column(

          children: [
            Row(
              children: [
                MyButton(title: 'AC',onPress: (){

                  userInput  ='';
                  anwser='';

                  setState(() {

                  });
                },),
                MyButton(title: '+/-', onPress: () {
                  userInput +='+/-';
                  setState(() {

                  });
                },),
                MyButton(title: '%', onPress: () {
                  userInput +='%';
                  setState(() {

                  });
                },),
                MyButton(title: '/', color: const Color(0xffffa00a),
onPress: () {
                  userInput +='/';
                  setState(() {

                  });
                },),
              ],
            ),
            Row(
              children: [
                MyButton(title: '7',onPress: (){

                  userInput +='7';
                  setState(() {

                  });
                },),
                MyButton(title: '8', onPress: () {
```

```dart
                        userInput +='8';
                        setState(() {

                        });
                      },),
                      MyButton(title: '9', onPress: () {
                        userInput +='9';
                        setState(() {

                        });
                      },),
                      MyButton(title: '-', color: const Color(0xffffa00a),
onPress: () {
                        userInput +='-';
                        setState(() {

                        });
                      },),
                    ],
                  ),
                  Row(
                    children: [
                      MyButton(title: '4',onPress: (){
                        print('Tap');
                        userInput +='4';
                        setState(() {

                        });
                      },),
                      MyButton(title: '5', onPress: () {
                        userInput +='5';
                        setState(() {

                        });
                      },),
                      MyButton(title: '6', onPress: () {
                        userInput +='6';
                        setState(() {

                        });
                      },),
                      MyButton(title: '+', color: const Color(0xffffa00a),
onPress: () {
                        userInput +='+';
                        setState(() {

                        });
                      },),
                    ],
                  ),
                  Row(
                    children: [
                      MyButton(title: '1',onPress: (){
                        print('Tap');
                        userInput +='1';
                        setState(() {
```

```dart
                                });
                            },),
                        MyButton(title: '2', onPress: () {
                            userInput +='2';
                            setState(() {

                            });
                        },),
                        MyButton(title: '3', onPress: () {
                            userInput +='3';
                            setState(() {

                            });
                        },),
                        MyButton(title: 'x', color: const Color(0xffffa00a),
onPress: () {

                            userInput +='*';
                            setState(() {

                            });
                        },),
                    ],
                ),
                Row(
                    children: [
                        MyButton(title: '0',onPress: (){
                            print('Tap');
                            userInput +='0';
                            setState(() {

                            });
                        },),
                        MyButton(title: '.', onPress: () {
                            userInput +='.';
                            setState(() {

                            });
                        },),
                        MyButton(title: 'Del', onPress: () {
                            userInput = userInput.substring(0,userInput.length-1);
                            setState(() {

                            });
                        },),
                        MyButton(title: '=', color: const Color(0xffffa00a),
onPress: () {

                            equalPress();
                            setState(() {

                            });
                        },),
                    ],
                ),
```

```
              ],
            ),
          ),

        ],
      ),
    );
  }
  void equalPress(){
    String finaluserInput=userInput;
    finaluserInput=userInput.replaceAll('x','*');
    Parser p =  Parser();
    Expression expression = p.parse(userInput);
    ContextModel contextModel = ContextModel();
    double eval = expression.evaluate(EvaluationType.REAL,contextModel);
    anwser=eval.toString();


  }
}
```

BUTTON dart.

```dart
import 'package:flutter/material.dart';
class MyButton extends StatelessWidget {
  final String title;
  final Color color;
  final VoidCallback onPress;
  const MyButton({
    super.key,required this.title,
    this.color= const Color(0xffa5a5a5),
    required this.onPress,
  });

  @override
  Widget build(BuildContext context) {
    return Expanded(
      child: Padding(
        padding: EdgeInsets.symmetric(vertical:6),
        child: InkWell(
          onTap: onPress,
          child: Container(

            height: 80,
            decoration: BoxDecoration(
              color: color,
              shape: BoxShape.circle,
            ),
            child: Center(

              child: Text(title),
            ),
          ),
        ),
      ),
```

```
      );
   }
}
```