QUIZ APP

PRANEETHA D RAI
1NT19IS113

Main.dart

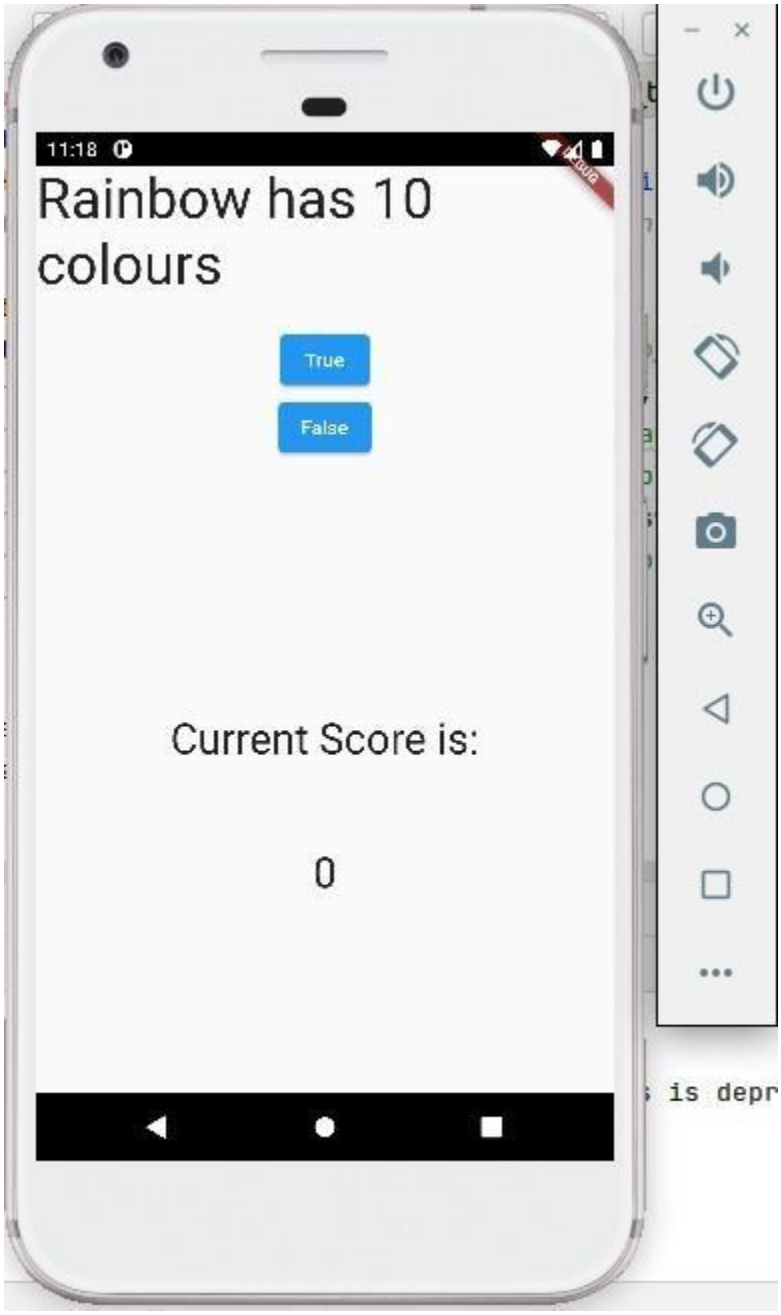
```
import 'package:flutter/material.dart';
// import 'package:quiz/question.dart';

void main() {
 runApp(MaterialApp(
   home:SafeArea(
     child: Scaffold(
       body:QuizPage(),
     ),
   ),

 )); } class
Question {
 final String questionText; // Question
 final bool answer; // Answer
 Question({required this.questionText, required this.answer});
// making it as named arguments for the Question Constructor
} class
Questions {
 List<Question> questionBank = [ // create a list of Questions using default
   Question(questionText: "Rainbow has 10 colours", answer: false), // set
   the
Question and Answer
   Question(questionText: " Director of RRR is Rajamouli ", answer: true),
   Question(questionText: " Black box in plane is black ", answer: true),
   Question(questionText: " Mango is a fruit ", answer: true),
   Question(questionText: " Mumbai is the capital of India ", answer:
   false),
   Question(questionText: " The color of orange is orange", answer: true),
 ]; } class QuizPage extends
StatefulWidget {
 const QuizPage({Key? key}) : super(key: key);

 @override
 _QuizPageState createState() => _QuizPageState();
}

class _QuizPageState extends State<QuizPage> {
```

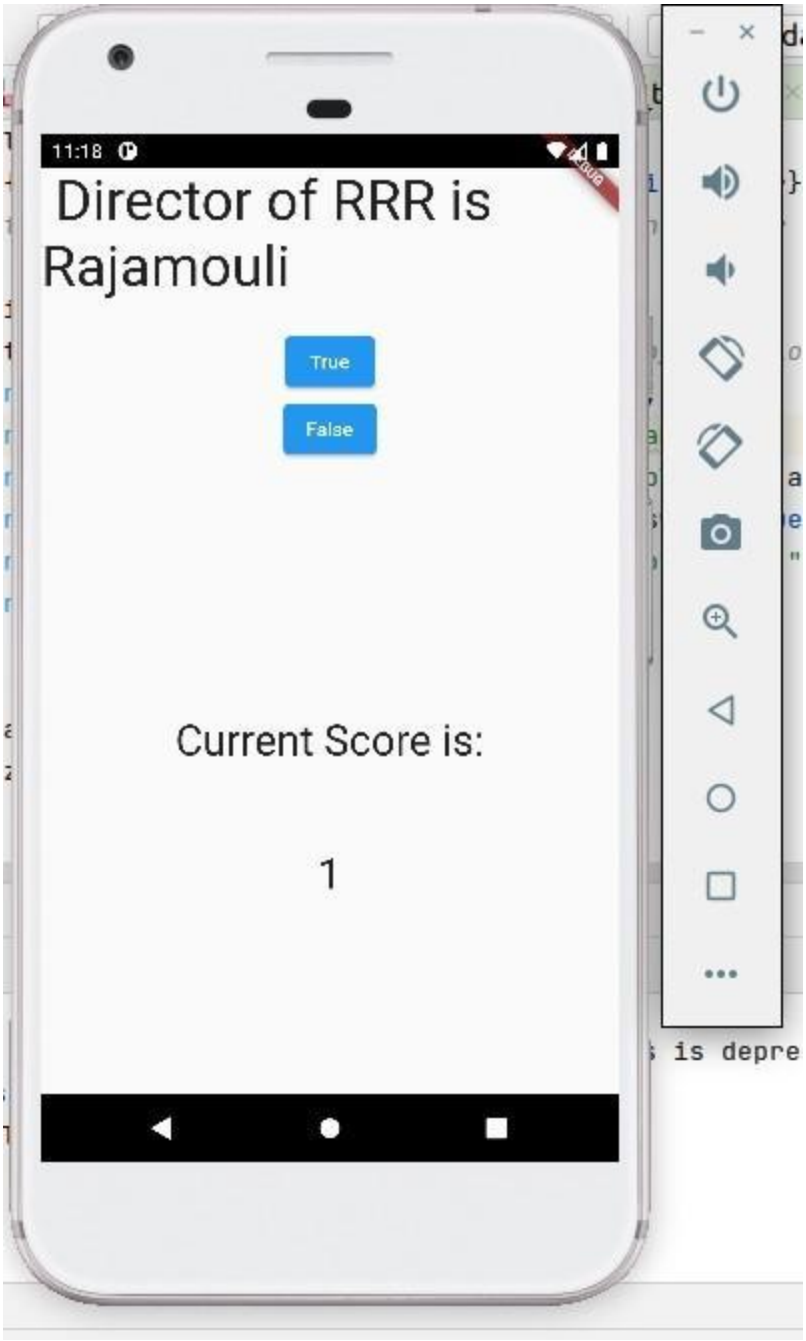
```
int questionNumber=0;
int currentScore=0;
Questions questions=Questions();
void updateQuestionNumber(){
setState(() {
    questionNumber=questionNumber+1;
    print('$questionNumber');
  });
}
void updateCurrentScore(bool choice,int question_number){
  if(questions.questionBank.length==question_number){
    print("end of question");
  }else{
    if(questions.questionBank[question_number].answer==choice){
      setState(() {
        currentScore++;
      });
    }
  } } bool checkquestionNumber(int
questionNumber){
  return questionNumber<questions.questionBank.length?true:false;
}
@override
Widget build(BuildContext context)
  { return Container( child:
  Column( children: [
          Center(
            child:
            Text(
              checkquestionNumber(questionNumber)?
questions.questionBank[questionNumber].questionText.toString() : " End",
              style: TextStyle(fontSize: 40.0),
            ),
          ),
          SizedBox(height: 20.0),
          if (checkquestionNumber(questionNumber))
            ElevatedButton(
              onPressed: () {
              setState(() {
                 if (questionNumber == questions.questionBank.length) { //
check the bound

                    print("End of questions");
                  } else {
// check the user answer against the answer in the list
                    updateCurrentScore(true, questionNumber);
```

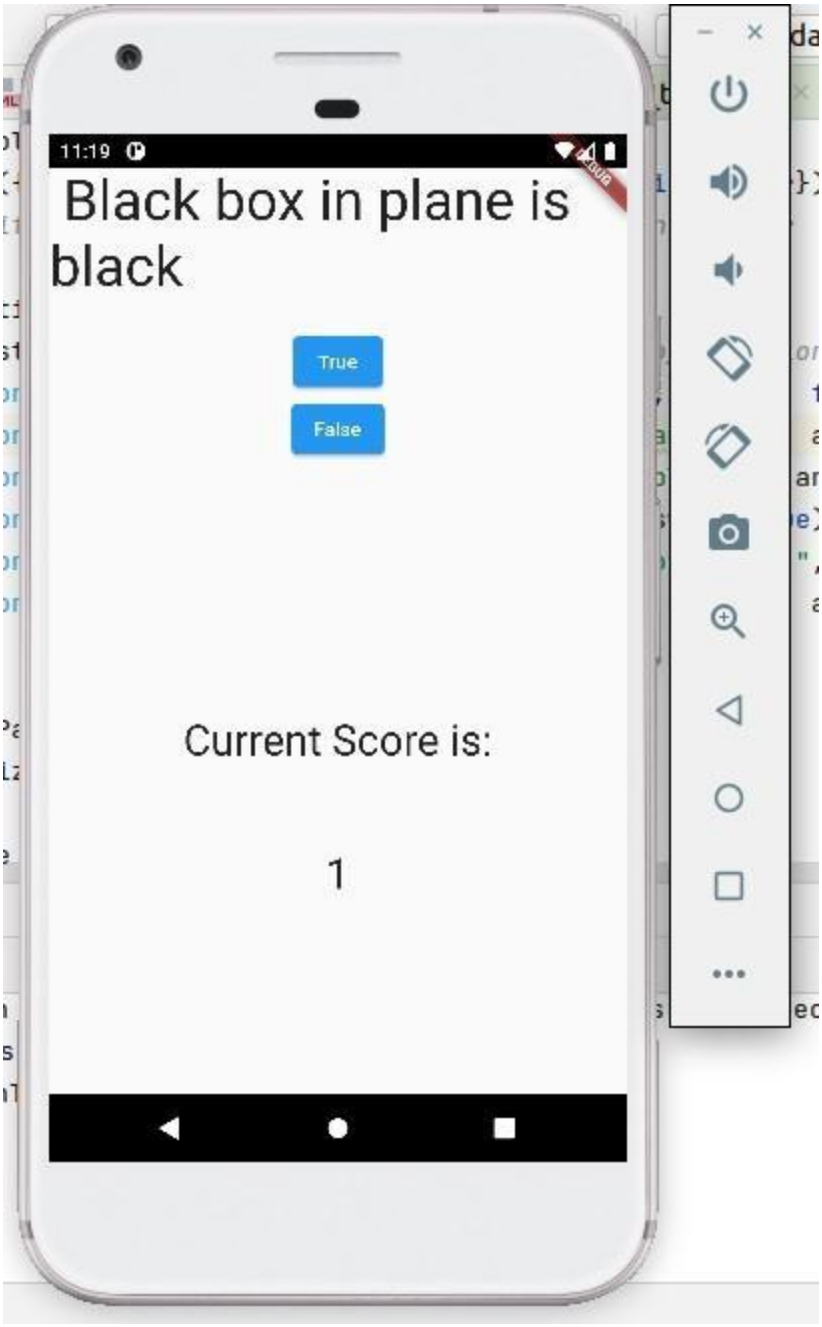
```
// increment the Question Number
                    updateQuestionNumber();
                  }
                }); }, child:
              Text('True'), ),
          SizedBox(width: 20.0),


          if (checkquestionNumber(questionNumber))
            ElevatedButton(
              onPressed: () {
              setState(() {
                 if (questionNumber == questions.questionBank.length) { //
check the bound

                    print("End of questions");
                  } else {
// check the user answer against the answer in the list
                    updateCurrentScore(false, questionNumber);
// increment the Question Number
                    updateQuestionNumber();
                  }
                }); }, child:
              Text('False'),
            ),
          SizedBox(
            height:
            100.0,
          ),
          SizedBox(
            height: 50.0,
          ),
          Padding( padding: const
            EdgeInsets.all(30.0), child:
            Center( child: Text( "Current Score
            is:", style: TextStyle(fontSize:
            30),
              ),
            ),
          ),
          Padding( padding: const
            EdgeInsets.all(30.0), child:
            Center( child: Text(
            '${currentScore}', style:
            TextStyle(fontSize: 30),
              ),
            ),
          ),
        ]
```

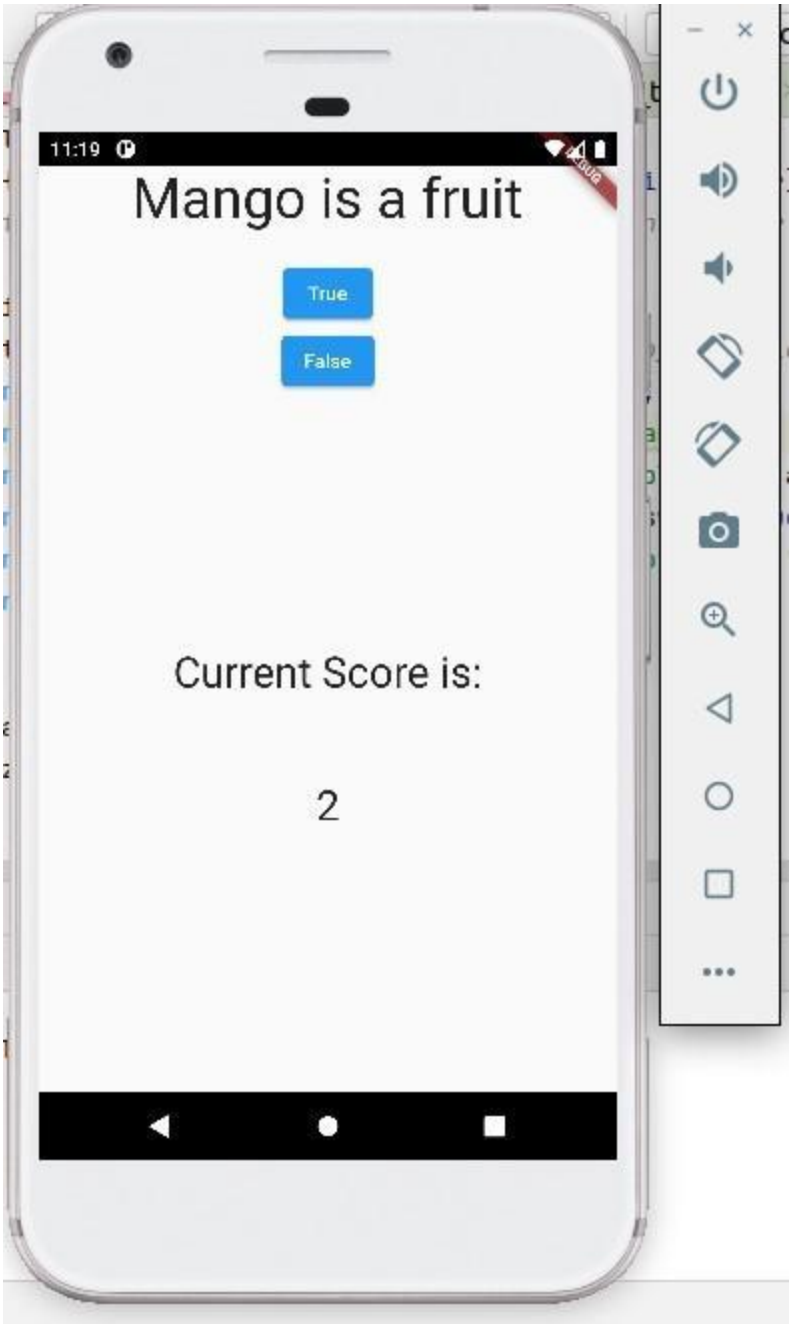
```
      ),
    );
  }
}
```

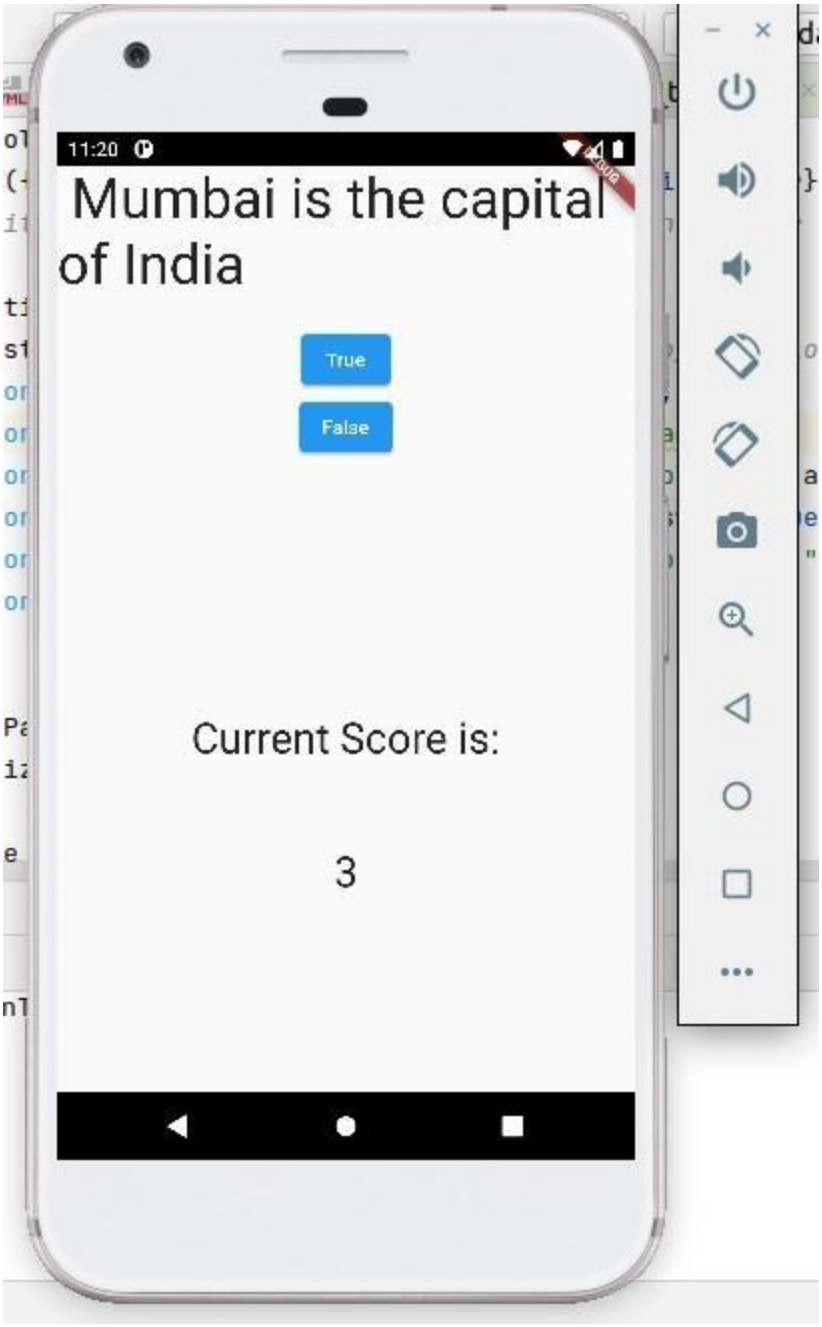
OUTPUT:

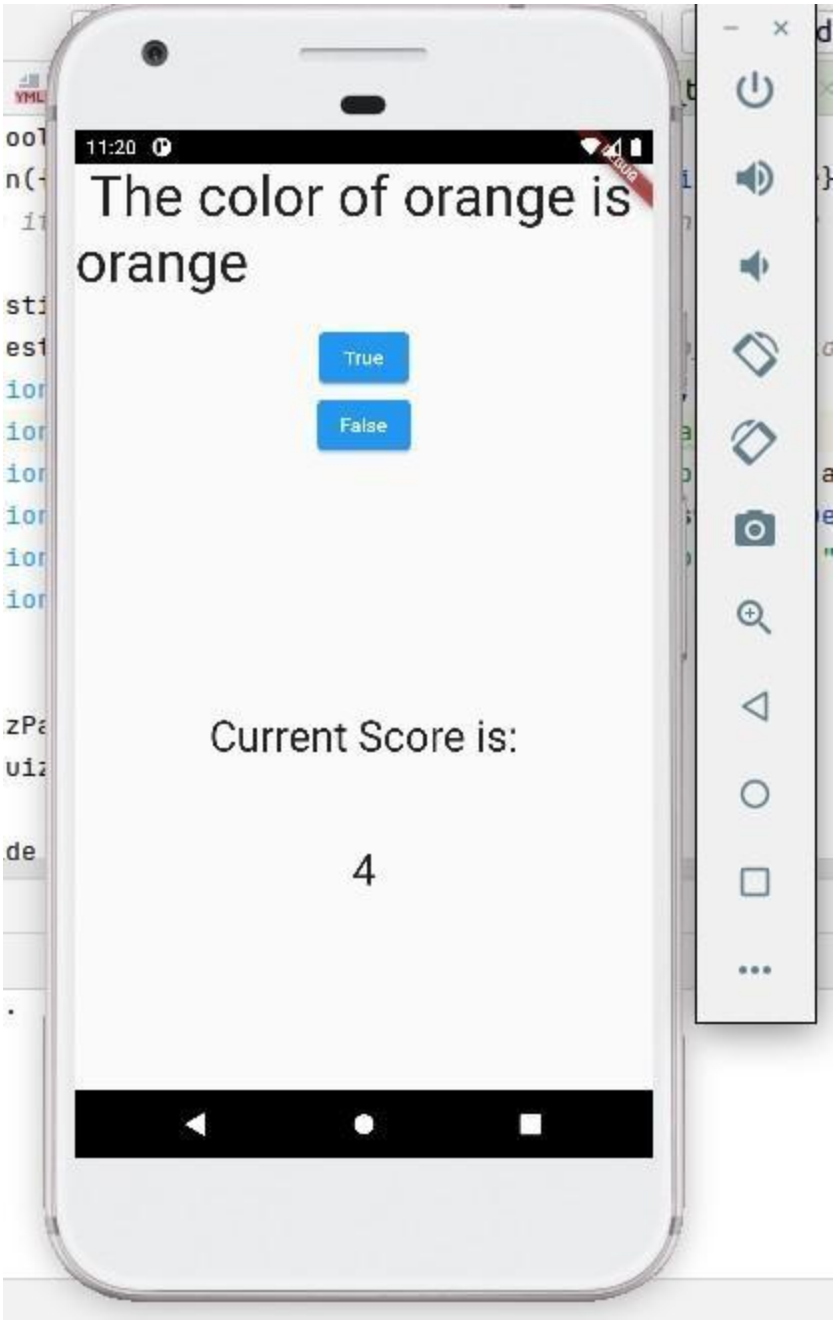


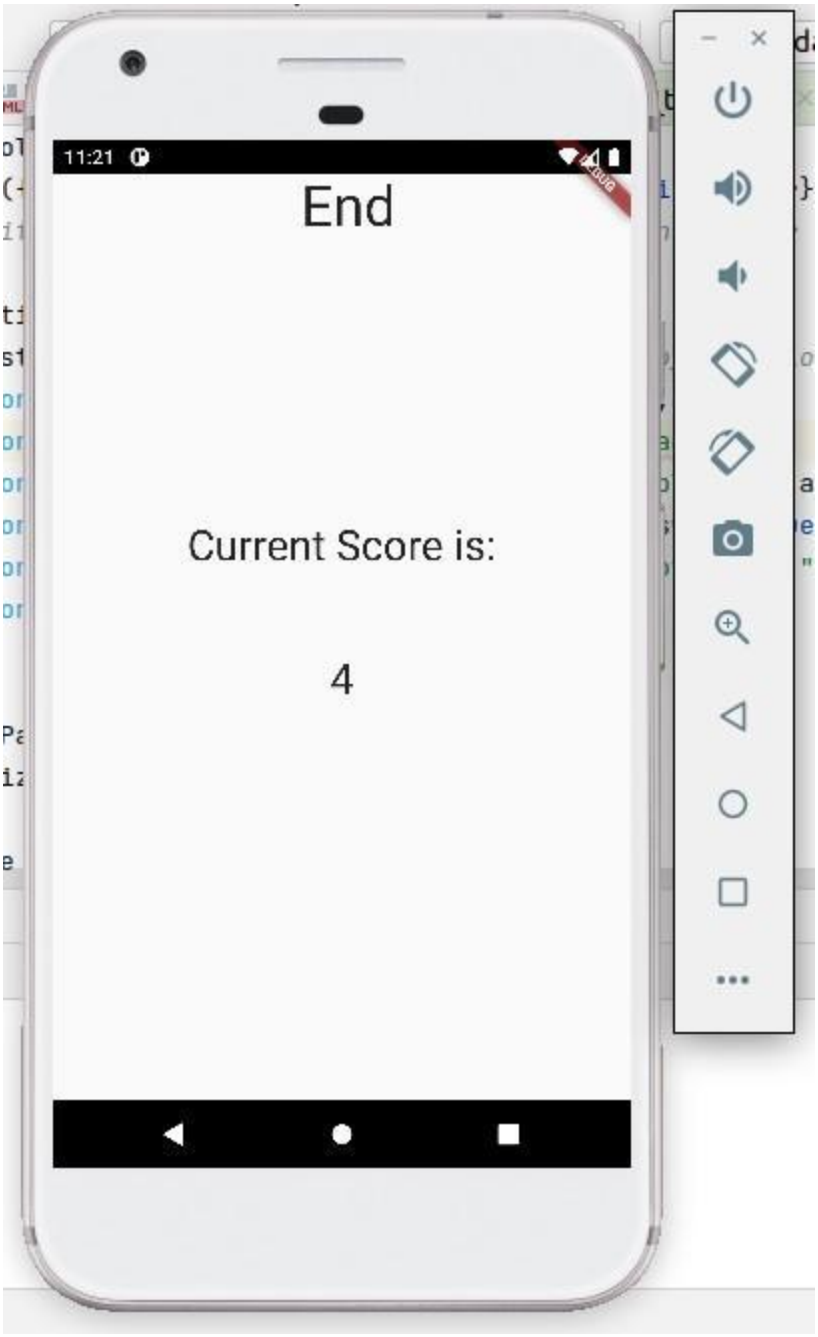

11:18
Director of RRR is Rajamouli
True
False
Current Score is:
1


11:19
Black box in plane is black
True
False
Current Score is:
1


11:19
Mango is a fruit
True
False
Current Score is:
2


11:20
Mumbai is the capital of India
True
False
Current Score is:
3


11:20
The color of orange is orange
True
False
Current Score is:
4


11:21
End
Current Score is:
4