Logo, company name

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**REG NO** 19-NTU-CS-1129

**ASSIGNMENT TITLE**  Lab#6

**SUBMIT DATE** 11-04-2022

**SUBMIT TO** MA’AM AYESHA

MA’AM SARA

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**main.dart**

**Code:**

*// ignore\_for\_file: deprecated\_member\_use*import ‘package:flutter/material.dart’;  
import ‘QuestionBrain.dart’;  
  
void main() {  
 runApp(const MyApp());  
 WidgetsApp.*debugAllowBannerOverride* = false;  
 WidgetsApp.*debugShowWidgetInspectorOverride* = false;  
}  
  
class MyApp extends StatefulWidget {  
 const MyApp({Key? Key}) : super(key: key);  
  
 @override  
 State<MyApp> createState() => \_QuizAppState();  
}  
  
class \_QuizAppState extends State<MyApp> {  
 QuestionBank Question = QuestionBank();  
 List<Widget> Score = [];  
  
 void compareAnswer(bool answer) {  
 bool correctAnswer = Question.CorrectAnswer();  
 if (Question.isFinished() == true) {  
 Question.reset();  
 Score = [];  
 } else {  
 if (correctAnswer == answer) {  
 Score.add(  
 const Icon(Icons.*check*, color: Colors.*green*),  
 );  
 } else {  
 Score.add(  
 const Icon(Icons.*close*, color: Colors.*red*),  
 );  
 }  
 setState(() {  
 Question.nextQuestions();  
 });  
 }  
 }  
  
 @override  
 Widget build(BuildContext context) {  
 return MaterialApp(  
 home: Scaffold(  
 appBar: AppBar(backgroundColor: Colors.*green*,foregroundColor: Colors.*black*,title: const Text(“Quizzer”),),  
 backgroundColor: Colors.*white*,  
 body: Center(  
 child: Column(  
 mainAxisAlignment: MainAxisAlignment.end,  
 children: [  
 Text(  
 Question.GetQuestions(),  
 style: const TextStyle(fontSize: 18,fontWeight: FontWeight.*bold*,color: Colors.*white*),  
 ),  
 const SizedBox(  
 height: 100,  
 ),  
 FlatButton(  
 onPressed: () {  
 compareAnswer(true);  
 },  
 child: const Text(  
 “True”,  
 style: TextStyle(color: Colors.*white*),  
 ),  
 color: Colors.*green*,  
 height: 60,  
 minWidth: 400,  
 ),  
 const SizedBox(  
 height: 20,  
 ),  
 FlatButton(  
 onPressed: () {  
 compareAnswer(false);  
 },  
 child: const Text(  
 “False”,  
 style: TextStyle(color: Colors.*white*),  
 ),  
 color: Colors.*red*,  
 height: 60,  
 minWidth: 400,  
 ),  
 const SizedBox(  
 height: 100,  
 ),  
 Row(  
 children: Score,  
 ),  
 const SizedBox(  
 height: 100,  
 ),  
 ],  
 )),  
 ));  
 }  
}

**QuestionBrain.dart**

**Code:**

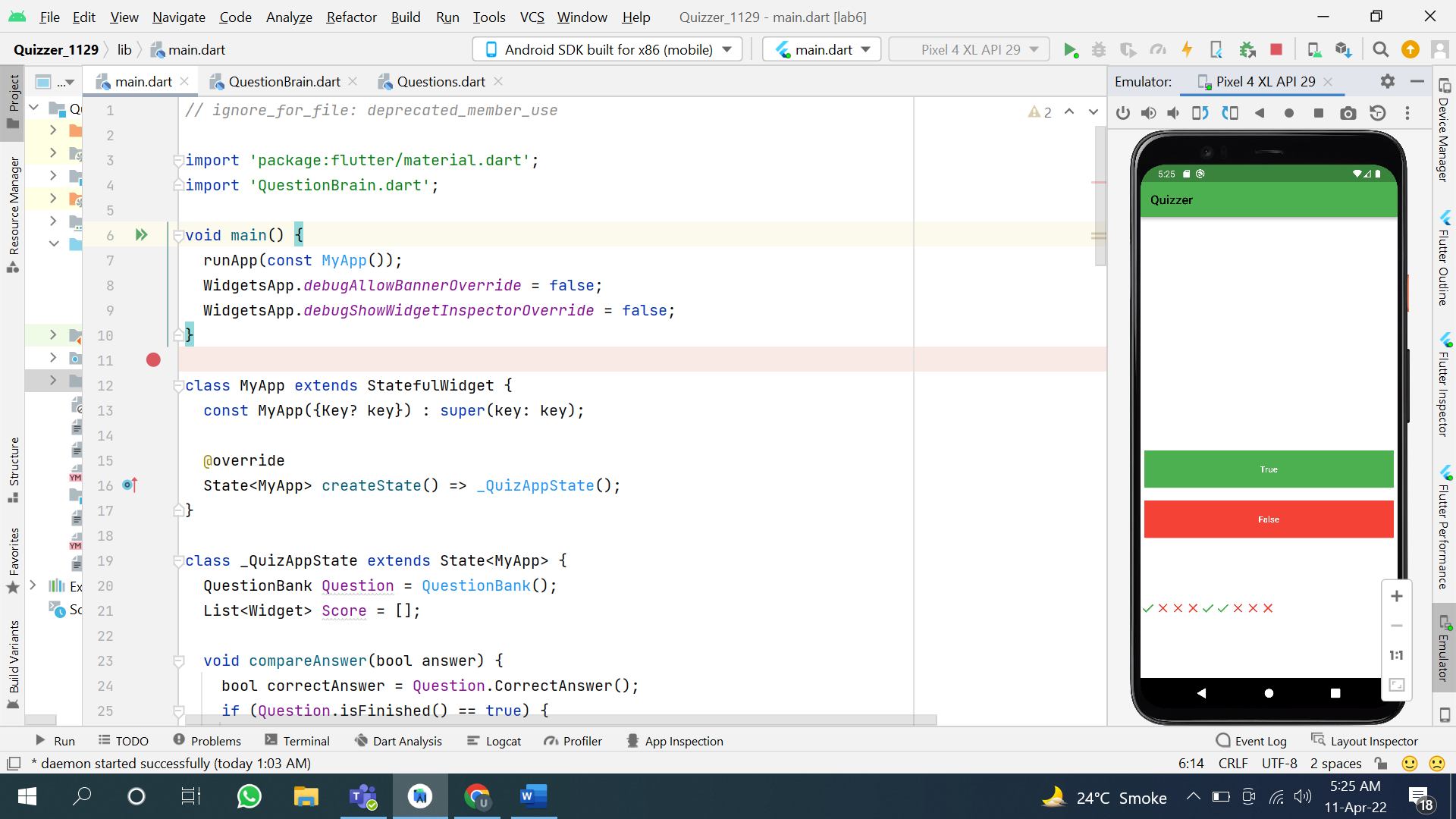
import 'Questions.dart';  
class QuestionBank{  
 *// ignore: non\_constant\_identifier\_names  
 //ecan* int \_QuestionNumber=0;  
 *//* final List <Questions> \_questionBank=[  
 Questions('Question 1', false),  
 Questions('Question 2', true),  
 Questions('Question 3', true),  
 Questions('Question 4', true),  
 Questions('Question 5', false),  
 Questions('Question 6', false),  
 Questions('Question 7', true),  
 Questions('Question 8', true),  
 Questions('Question 9', true),  
 Questions('Question 10', false),  
 ];  
  
 void nextQuestions(){  
 if(\_QuestionNumber<\_questionBank.length-1){  
 \_QuestionNumber++;  
 }  
 }  
  
  
 String GetQuestions(){  
 return \_questionBank[\_QuestionNumber].QuestionString;  
 }  
  
  
 bool CorrectAnswer(){  
 return \_questionBank[\_QuestionNumber].AnswerText;  
 }  
  
 bool isFinished() {  
 if (\_QuestionNumber >=\_questionBank.length - 1) {  
 return true;  
 } else {  
 return false;  
 }  
 }  
  
  
 void reset() {  
 \_QuestionNumber = 0;  
 }  
  
}

**Questions.dart**

**Code**

class Questions{  
   
 String QuestionString='';  
   
 bool AnswerText=false;  
 *//constuctor* Questions(this.QuestionString,this.AnswerText);  
}

**Output:**



A picture containing graphical user interface

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