**Quiz**

**Subject:**

**MAD**

**SUBMITTED TO;**

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**REG NO:**

**FA19-BCS-081**

**SECTION:**

**B**

**Splash sacreen**

**import 'package:flutter/material.dart'**;  
**import 'package:quizapp/main.dart'**;  
  
**class** Splash **extends** StatefulWidget {  
 *//const Splash({Key? key}) : super(key: key);* @override  
 \_SplashState createState() => \_SplashState();  
}  
  
**class** \_SplashState **extends** State<Splash> {  
 **void** initState() {  
 **super**.initState();  
 \_mainPage();  
 }  
  
 \_mainPage() **async** {  
 **await** Future.delayed(  
 **const** Duration(milliseconds: 2900),  
 );  
 Navigator.*pushReplacement*(  
 **context**, MaterialPageRoute(builder: (context) => QuizApp()));  
 }  
  
 @override  
 Widget build(BuildContext context) {  
 **return** Scaffold(  
 backgroundColor: Colors.*white*,  
 body: Center(  
 child: Column(  
 children: [  
 Image(  
 height: 500,  
 width: 300,  
 image: AssetImage(**'images/splash.png'**),  
 ),  
 CircularProgressIndicator(),  
 ],  
 ),  
 ),  
 );  
 }  
}

**Mian dart**

*// ignore\_for\_file: missing\_return***import 'dart:async'**;  
**import 'package:flutter/cupertino.dart'**;  
**import 'package:flutter/material.dart'**;  
**import 'package:quizapp/contact-us.dart'**;  
**import 'package:quizapp/mdlresult.dart'**;  
**import 'package:quizapp/result.dart'**;  
**import 'package:quizapp/splash.dart'**;  
**import 'quiz\_brain.dart'**;  
**import 'package:percent\_indicator/percent\_indicator.dart'**;  
  
QuizBrain quizBrain;  
**void** main() => runApp(MaterialApp(  
 home: Splash(),  
 ));  
  
**class** QuizApp **extends** StatefulWidget {  
 *//const QuizApp({ Key? key }) : super(key: key);* QuizApp() {  
 quizBrain = QuizBrain();  
 }  
  
 @override  
 \_QuizAppState createState() => \_QuizAppState();  
}  
  
**class** \_QuizAppState **extends** State<QuizApp> {  
 List<Icon> **scoreKeeper** = [];  
 List<MdlResult> **record** = [];  
 int **attempted** = 0;  
 getnextQuestion() {  
 setState(() {  
 **if** (quizBrain.isFinished()) {  
 **time**.cancel();  
 **sec** = 5;  
 \_dispDialog();  
 quizBrain.reset();  
 **scoreKeeper** = [];  
 } **else** {  
 quizBrain.nextQuestion();  
 setState(() {});  
 }  
 });  
 }  
  
 \_dispDialog() {  
 Navigator.*pop*(**context**);  
 Navigator.*push*(  
 **context**,  
 MaterialPageRoute(  
 builder: (BuildContext context) => Result(**record**, **attempted**),  
 ),  
 );  
 }  
  
 **void** checkAnswer(bool userPickedAnswer) {  
 bool correctAnswer = quizBrain.getCorrectAnswer();  
 **attempted**++;  
  
 setState(() {  
 **if** (quizBrain.isFinished() == **true**) {  
 **time**.cancel();  
 **sec** = 5;  
 \_dispDialog();  
  
 quizBrain.reset();  
 **scoreKeeper** = [];  
 } **else** {  
 **if** (userPickedAnswer == correctAnswer) {  
 **sec** = 5;  
 **scoreKeeper**.add(Icon(  
 Icons.*check*,  
 color: Colors.*green*,  
 ));  
 } **else** {  
 **record**.add(  
 MdlResult(quizBrain.**question**, userPickedAnswer, correctAnswer));  
 **sec** = 5;  
 **scoreKeeper**.add(  
 Icon(  
 Icons.*close*,  
 color: Colors.*red*,  
 ),  
 );  
 }  
 quizBrain.nextQuestion();  
 }  
 });  
 }  
  
 int **sec** = 5;  
 Timer **time**;  
 bool **first** = **true**;  
 \_startTimer() {  
 **time** = Timer.periodic(  
 Duration(seconds: 1),  
 (Timer t) {  
 setState(() {  
 **if** (**this**.**sec** > 0) {  
 **this**.**sec** = **this**.**sec** - 1;  
 } **else** {  
 **this**.**sec** = 5;  
 getnextQuestion();  
 setState(() {});  
 }  
 });  
 },  
 );  
 }  
  
 @override  
 Widget build(BuildContext context) {  
 **if** (**first**) {  
 **first** = **false**;  
 \_startTimer();  
 }  
 **return** MaterialApp(  
 debugShowCheckedModeBanner: **false**,  
 home: Scaffold(  
 drawerEnableOpenDragGesture: **true**,  
 appBar: AppBar(  
 title: Text(**"Quiz App"**),  
 bottomOpacity: 0,  
 backgroundColor: Colors.*redAccent*,  
 toolbarOpacity: 0.9,  
 ),  
 drawer: Drawer(  
 child: ListView(  
 children: [  
 UserAccountsDrawerHeader(  
 accountName: Text(**"ukasha asi"**),  
 accountEmail: Text(**"ukashaasi123.com"**),  
 currentAccountPicture: Image(image: AssetImage(**"images/ssu.jpg"**)),  
 ),  
 *// DrawerHeader(  
 // child: Column(  
 // crossAxisAlignment: CrossAxisAlignment.start,  
 // children: [  
 // CircleAvatar(  
 // radius: 40,  
 // backgroundColor: Colors.amber[400],  
 // ),  
 // SizedBox(  
 // height: 5,  
 // ),  
 // Text(  
 // "Quiz App",  
 // style: TextStyle(fontSize: 20),  
 // ),  
 // ],  
 // ),  
  
 // // decoration: BoxDecoration(color: Colors.black54),  
 // ),* ListTile(  
 subtitle: Text(  
 **"Total Questions: 10"**,  
 style: TextStyle(fontSize: 20),  
 ),  
 ),  
 ListTile(  
 subtitle: Text(  
 **"Remaining Questions:** ${10 - **attempted**}**"**,  
 style: TextStyle(fontSize: 20),  
 ),  
 ),  
 ListTile(  
 subtitle: Text(  
 **"Total Correct Answers:**${**attempted** - **record**.**length**}**"**,  
 style: TextStyle(fontSize: 20),  
 ),  
 ),  
 ListTile(  
 subtitle: Text(  
 **"Total Wrong Answers:** ${**record**.**length**}**"**,  
 style: TextStyle(fontSize: 20),  
 ),  
 ),  
 Divider(  
 thickness: 3,  
 indent: 40,  
 endIndent: 40,  
 color: Colors.*blueGrey*.**shade600**,  
 ),  
 SizedBox(  
 height: 50,  
 ),  
 ListTile(  
 leading: Icon(Icons.*contact\_mail\_sharp*),  
 onTap: () {  
 Navigator.*push*(  
 context,  
 MaterialPageRoute(  
 builder: (BuildContext context) => Contact(),  
 ));  
 },  
 title: Text(  
 **"Contact Us"**,  
 style: TextStyle(fontSize: 20),  
 ),  
 )  
 ],  
 ),  
 ),  
 backgroundColor: Colors.*grey*.**shade900**,  
 body: SafeArea(  
 child: Padding(  
 padding: EdgeInsets.symmetric(horizontal: 10.0),  
 child: Column(  
 mainAxisAlignment: MainAxisAlignment.**spaceBetween**,  
 crossAxisAlignment: CrossAxisAlignment.**stretch**,  
 children: <Widget>[  
 Padding(  
 padding: **const** EdgeInsets.all(50),  
 child: CircularPercentIndicator(  
 *// animation: true,* radius: 100.0,  
 lineWidth: 7.0,  
 percent: (**sec** / 10) \* 2,  
 linearGradient: LinearGradient(  
 colors: [Colors.*blue*.**shade900**, Colors.*red*]),  
  
 center: **new** Text(  
 **sec**.toString(),  
 style: TextStyle(  
 color: Colors.*white*,  
 fontSize: 24,  
 fontWeight: FontWeight.*bold*,  
 ),  
 ),  
 *//progressColor: Colors.green,* ),  
 ),  
 Expanded(  
 flex: 4,  
 child: Padding(  
 padding: EdgeInsets.all(10.0),  
 child: Center(  
 child: Text(  
 quizBrain.getQuestionText(),  
 textAlign: TextAlign.**center**,  
 style: TextStyle(  
 fontSize: 25.0,  
 color: Colors.*white*,  
 ),  
 ),  
 ),  
 ),  
 ),  
 Expanded(  
 child: Container(  
 height: 50,  
 padding: EdgeInsets.all(15.0),  
 child: FlatButton(  
 textColor: Colors.*white*,  
 color: Colors.*green*,  
 child: Text(  
 **'True'**,  
 style: TextStyle(  
 color: Colors.*white*,  
 fontSize: 20.0,  
 ),  
 ),  
 onPressed: () {  
 checkAnswer(**true**);  
 *//The user picked true.* },  
 ),  
 ),  
 ),  
 Expanded(  
 child: Padding(  
 padding: EdgeInsets.all(15.0),  
 child: FlatButton(  
 color: Colors.*red*,  
 child: Text(  
 **'False'**,  
 style: TextStyle(  
 fontSize: 20.0,  
 color: Colors.*white*,  
 ),  
 ),  
 onPressed: () {  
 checkAnswer(**false**);  
 *//The user picked false.* },  
 ),  
 ),  
 ),  
 Row(  
 children: **scoreKeeper**,  
 ),  
 ],  
 ),  
 ),  
 ),  
 ),  
 );  
 }  
}

**Contact us**

**import 'dart:io'**;  
**import 'package:url\_launcher/url\_launcher.dart'**;  
**import 'package:flutter/material.dart'**;  
  
**class** Contact **extends** StatelessWidget {  
 *//const Contact({ Key? key }) : super(key: key);* **void** launchWhatsApp({  
 String phone = **"+923086905740"**,  
 String message = **""**,  
 }) **async** {  
 String url() {  
 **if** (Platform.*isIOS*) {  
 **return "whatsapp://wa.me/**$phone**/?text=**${Uri.*parse*(message)}**"**;  
 } **else** {  
 **return "whatsapp://send?phone=**$phone**&text=**${Uri.*parse*(message)}**"**;  
 }  
 }  
  
 **if** (**await** canLaunch(url())) {  
 **await** launch(url());  
 } **else** {  
 *// throw 'Could not launch ${url()}';* }  
 }  
  
 @override  
 Widget build(BuildContext context) {  
 **dynamic** dev\_height = MediaQuery.*of*(context).**size**.**height**;  
 **dynamic** dev\_width = MediaQuery.*of*(context).**size**.**width**;  
 **return** SafeArea(  
 child: Scaffold(  
 *// backgroundColor: Colors.blue[300],* body: Container(  
 height: dev\_height,  
 width: dev\_width,  
 child: Column(  
 children: [  
 Container(  
 alignment: Alignment.*bottomCenter*,  
 height: dev\_height / 3,  
 width: dev\_width,  
 child: Text(  
 **"Contact Us"**,  
 style: TextStyle(  
 fontSize: 30,  
 fontWeight: FontWeight.*bold*,  
 ),  
 ),  
 ),  
 Padding(  
 padding: **const** EdgeInsets.only(  
 top: 50, left: 70, right: 70, bottom: 70),  
 child: Container(  
 height: 70,  
 child: Row(  
 mainAxisAlignment: MainAxisAlignment.**spaceEvenly**,  
 children: [  
 Image.asset(**"images/fb.png"**),  
 GestureDetector(  
 onTap: () {  
 launchWhatsApp();  
 },  
 child: Image.asset(**"images/whatsapp.png"**)),  
 Image.asset(**"images/gmail.png"**),  
 ],  
 ),  
 ),  
 ),  
 Center(  
 child: Divider(  
 color: Colors.*blue*,  
 thickness: 3,  
 *//height: 5,* endIndent: 80,  
 indent: 80,  
 ),  
 )  
 ],  
 ),  
 ),  
 ),  
 );  
 }  
}

**mld dart**

**class** MdlResult {  
 int **qNo** = 0;  
 bool **correct**;  
 bool **user**;  
 MdlResult(**this**.**qNo**, **this**.**user**, **this**.**correct**);  
}

**question dart**

**class** Question {  
 String **questionText**;  
 bool **questionAnswer**;  
  
 Question(String q, bool a) {  
 **questionText** = q;  
 **questionAnswer** = a;  
 }  
}

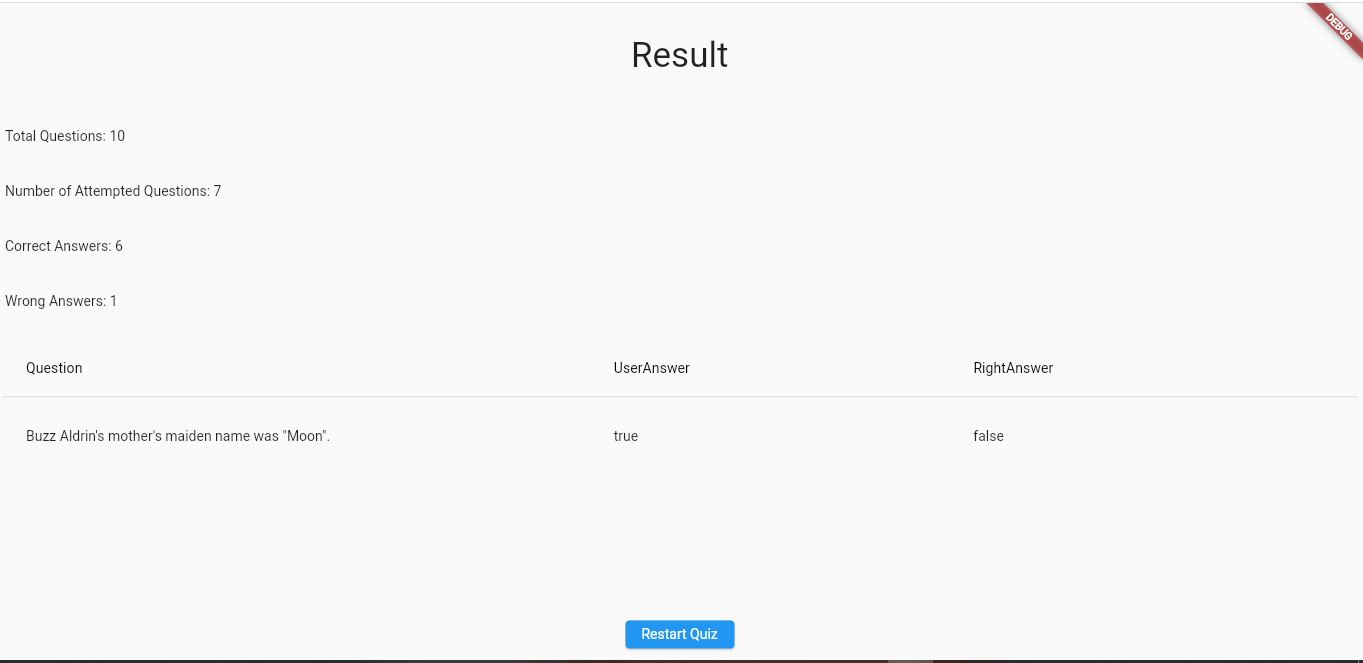
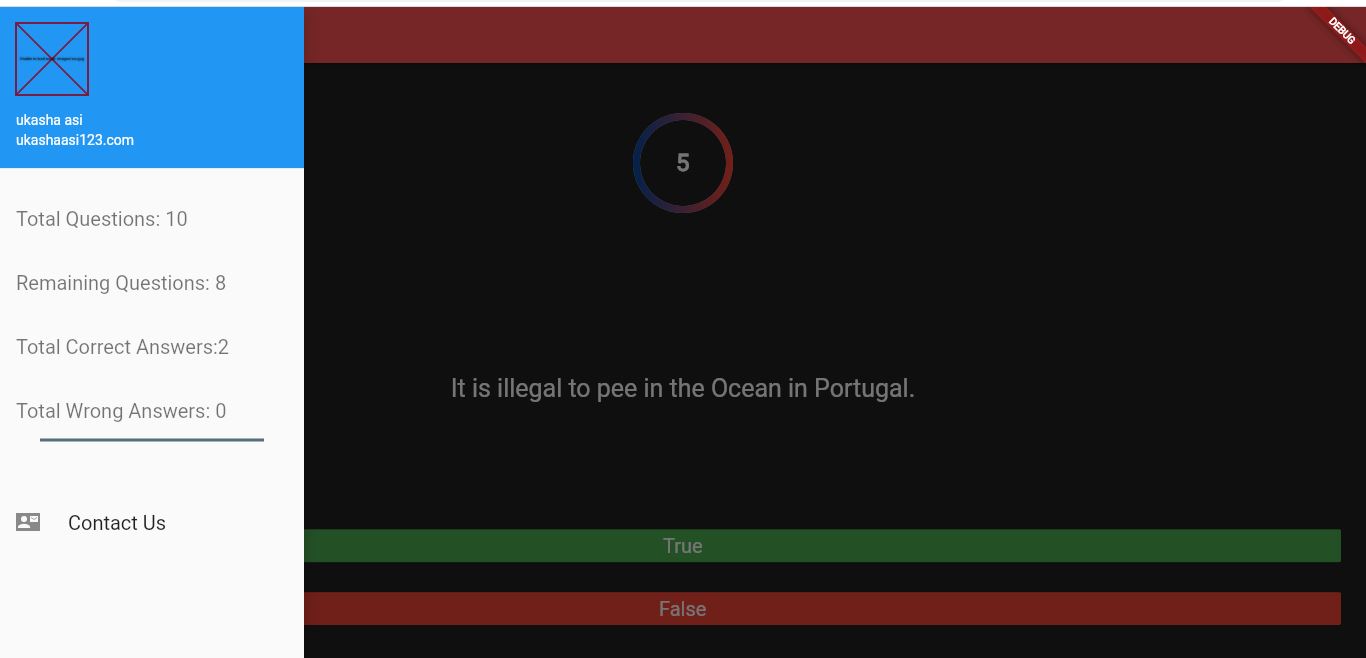
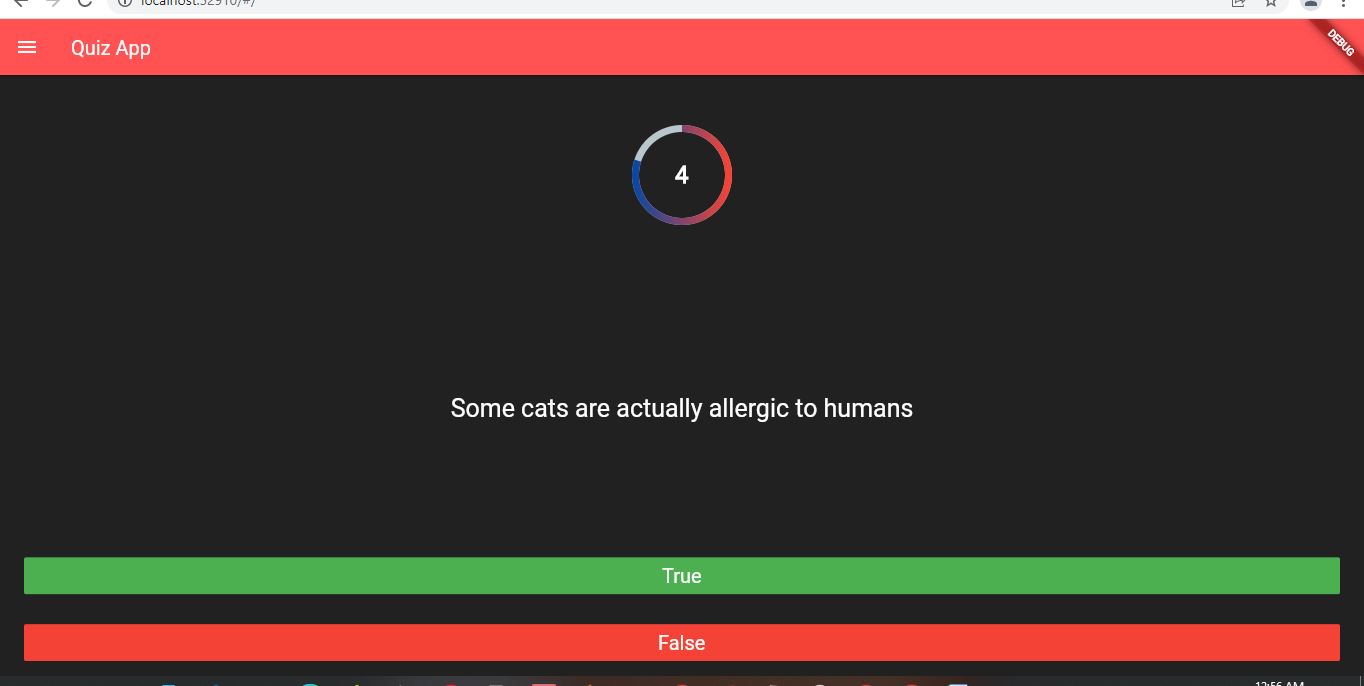
**quiz brain**

**import 'dart:math'**;  
**import 'package:quizapp/question.dart'**;  
  
**class** QuizBrain {  
 int **\_questionNumber** = 0;  
 int **question** = 1;  
  
 List<int> **atmpq** = [Random().nextInt(12)];  
  
 List<Question> **questionBank** = [  
 Question(**'Some cats are actually allergic to humans'**, **true**),  
 Question(**'You can lead a cow down stairs but not up stairs.'**, **false**),  
 Question(**'Approximately one quarter of human bones are in the feet.'**, **true**),  
 Question(**'A slug\'s blood is green.'**, **true**),  
 Question(**'Buzz Aldrin\'s mother\'s maiden name was \"Moon\".'**, **true**),  
 Question(**'It is illegal to pee in the Ocean in Portugal.'**, **true**),  
 Question(  
 **'No piece of square dry paper can be folded in half more than 7 times.'**,  
 **false**),  
 Question(  
 **'In London, UK, if you happen to die in the House of Parliament, you are technically entitled to a state funeral, because the building is considered too sacred a place.'**,  
 **true**),  
 Question(  
 **'The loudest sound produced by any animal is 188 decibels. That animal is the African Elephant.'**,  
 **false**),  
 Question(  
 **'The total surface area of two human lungs is approximately 70 square metres.'**,  
 **true**),  
 Question(**'Google was originally called \"Backrub\".'**, **true**),  
 Question(  
 **'Chocolate affects a dog\'s heart and nervous system; a few ounces are enough to kill a small dog.'**,  
 **true**),  
 Question(  
 **'In West Virginia, USA, if you accidentally hit an animal with your car, you are free to take it home to eat.'**,  
 **true**),  
 ];  
 *//Create Next Question Function* **void** nextQuestion() {  
 **question**++;  
 int no = Random().nextInt(13);  
 **while** (**atmpq**.contains(no)) {  
 no = Random().nextInt(13);  
 }  
 **if** (**question** <= **questionBank**.**length**) {  
 **\_questionNumber** = no;  
 }  
 **atmpq**.add(no);  
 }  
  
 String getQuestionText() {  
 **return questionBank**[**\_questionNumber**].**questionText**;  
 }  
  
 bool getCorrectAnswer() {  
 **return questionBank**[**\_questionNumber**].**questionAnswer**;  
 }  
  
 bool isFinished() {  
 **if** (**this**.**question** >= 10) {  
 **return true**;  
 } **else** {  
 **return false**;  
 }  
 }  
  
 **void** reset() {  
 **atmpq** = [Random().nextInt(12)];  
 **question** = 0;  
 **\_questionNumber** = 0;  
 }  
}

**result dart**

**import 'package:flutter/material.dart'**;  
**import 'package:quizapp/main.dart'**;  
**import 'package:quizapp/mdlresult.dart'**;  
**import 'package:quizapp/quiz\_brain.dart'**;  
  
*// ignore: must\_be\_immutable***class** Result **extends** StatelessWidget {  
 Result(List<MdlResult> res2, **this**.**attempted**) {  
 **res** = res2;  
 *len* = res2.**length**;  
 }  
 List<MdlResult> **res**;  
 **static** int *len*;  
 int **attempted**;  
 **var list**;  
 @override  
 Widget build(BuildContext context) {  
 **this**.**list** = List.generate(  
 *len*,  
 (index) => DataRow(cells: [  
 DataCell(  
 Text(  
 QuizBrain().**questionBank**[**res**[index].**qNo** - 1].**questionText**,  
 ),  
 ),  
 DataCell(  
 Text(**res**[index].**user**.toString()),  
 ),  
 DataCell(  
 Text(**res**[index].**correct**.toString()),  
 )  
 ]));  
 **return** SafeArea(  
 child: Scaffold(  
 body: Container(  
 height: MediaQuery.*of*(context).**size**.**height**,  
 width: MediaQuery.*of*(context).**size**.**width**,  
 child: Column(  
 crossAxisAlignment: CrossAxisAlignment.**start**,  
 mainAxisAlignment: MainAxisAlignment.**spaceAround**,  
 children: [  
 Center(  
 heightFactor: 2,  
 child: Text(  
 **"Result"**,  
 style: TextStyle(fontSize: 35),  
 ),  
 ),  
 Padding(  
 padding: **const** EdgeInsets.all(8.0),  
 child: Text(**"Total Questions: 10"**),  
 ),  
 Padding(  
 padding: **const** EdgeInsets.all(8.0),  
 child: Text(**"Number of Attempted Questions:** $**attempted"**),  
 ),  
 Padding(  
 padding: **const** EdgeInsets.all(8.0),  
 child: Text(**"Correct Answers:** ${**attempted** - *len*}**"**),  
 ),  
 Padding(  
 padding: **const** EdgeInsets.all(8.0),  
 child: Text(**"Wrong Answers:** $*len***"**),  
 ),  
 Container(  
 height: MediaQuery.*of*(context).**size**.**height** - 400,  
 width: MediaQuery.*of*(context).**size**.**width**,  
 margin: EdgeInsets.only(left: 5, right: 5),  
 child: SingleChildScrollView(  
 scrollDirection: Axis.**values**[1],  
 child: DataTable(  
 columnSpacing: 3.0,  
 dataRowHeight: 80,  
 columns: [  
 DataColumn(label: Text(**"Question"**)),  
 DataColumn(label: Text(**"UserAnswer"**)),  
 DataColumn(label: Text(**"RightAnswer"**)),  
 ],  
 rows: **list**),  
 ),  
 ),  
 Center(  
 child: ElevatedButton(  
 child: Text(**"Restart Quiz"**),  
 onPressed: () {  
 Navigator.*pop*(context);  
 Navigator.*push*(context,  
 MaterialPageRoute(builder: (context) => QuizApp()));  
 },  
 ),  
 )  
 ],  
 ),  
 ),  
 ),  
 );  
 }  
}

**sacreen short**

****