

YASHODHA R NAIK

1NT20IS416

QUIZ APP

```
import 'package:flutter/material.dart';
import 'package:flutter/rendering.dart';

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

class Question {
  final
  String questionText;
  final
  bool answer;
  Question({required this.questionText, required this.answer});
}

class Questions {
  List<Question> questionBank = [

    Question(questionText: "you studentand you are Priyanka:", answer: true),
    Question(questionText: "are you a NMITIAN", answer: true),
    Question(questionText: "Are you belongs to ISE", answer: true),
    Question(questionText: "you are from india", answer: true),
    Question(questionText: "Do you have any Backlogs", answer: false),
  ];
}

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 Questions');
}
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) {
    print("End of questions");
    } else {
    updateCurrentScore(true, questionNumber);
updateQuestionNumber();
    }
    });
    },
    child: Text('True'),
    ),
    SizedBox(width: 20.0),
    if (checkQuestionNumber(questionNumber))
    ElevatedButton(
onPressed: () {
    setState(() {
    if (questionNumber == questions.questionBank.length) {
    print("End of questions");
    } else {
    updateCurrentScore(false, questionNumber);
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),
        ),
        ),
    ),
    ],
    ),

); // Build the Widget Tree here
} }

```

OUTPUT



