

Quiz App

Widget (Stateful, Stateless)

MyApp() - Stateful

- MaterialApp()
 - Scaffold()
 - appBar: AppBar()
 - title: Text() -> Quiz App
 - body: questionIndex < questions.length
 - **true**: Quiz(Function *answerQuestion*(score), questionIndex, questions)
 - **false**: Result(totalScore, Function *resetQuiz*)

Quiz(Function *answerQuestion*(score), questionIndex, questions) - Stateless

- Column()
 - Questions(questionText)
 - [Answer(answerText) => Function *answerQuestion*(score)]

Result(totalScore, Function *resetQuiz*) - Stateless

- Center()
 - Column()
 - Text() -> resultPhrase
 - TextButton('Restart Quiz') => **Function** *resetQuiz*

Question(questionText) - Stateless

- Container()
 - Text() -> questionText

Answer(answerText, Function *answerQuestion*(score)) - Stateless

- SizedBox()
 - ElevatedButton('answerText') => **Function** *answerQuestions*(score)

Widget

Functions

answerQuestions(score)

- totalScore += score
- questionIndex++

resetQuiz()

- resetQuestionIndex
- resetTotalScore