RETO QUIZZAPP SUPERHEROES

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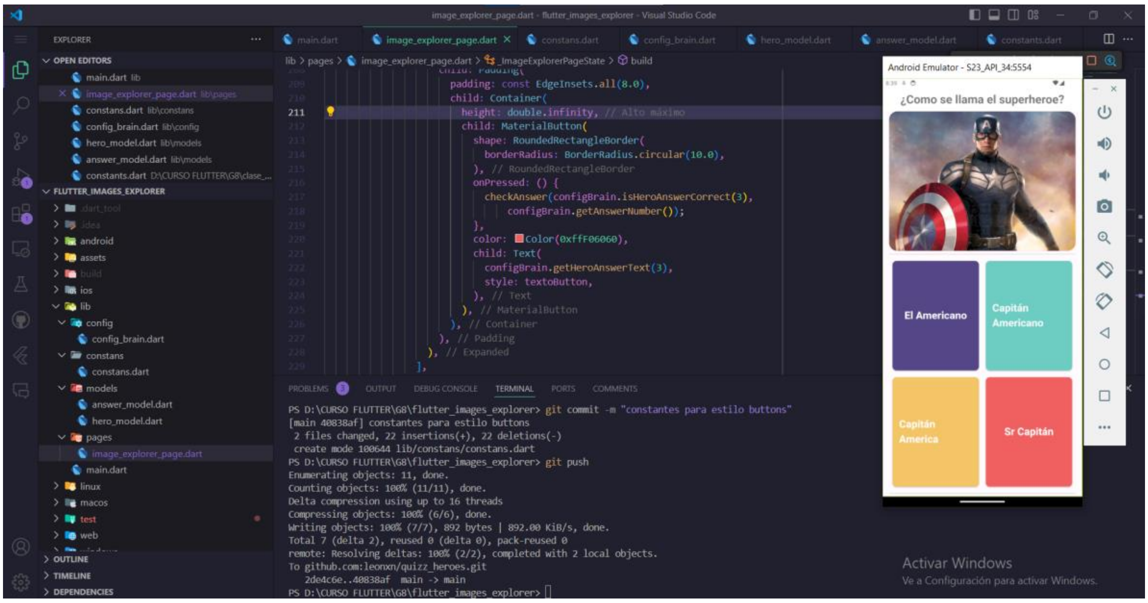
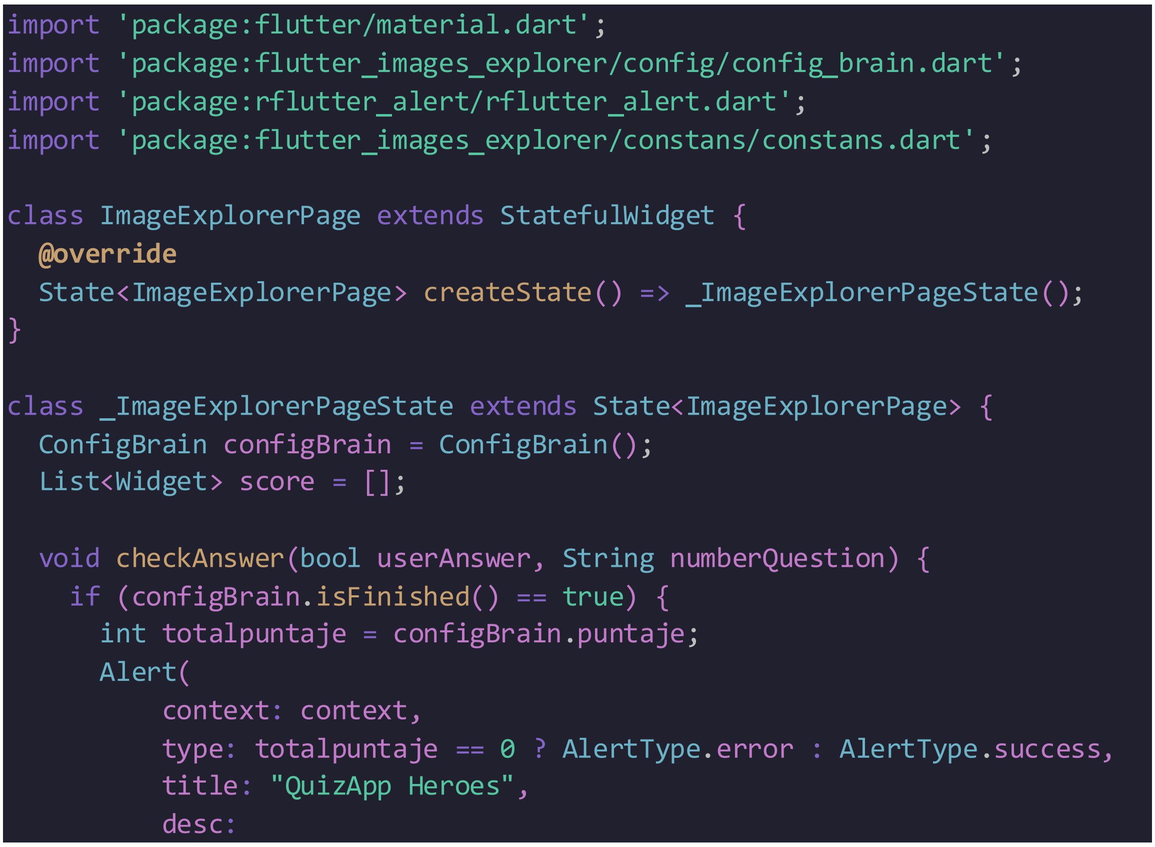
Link github: https://github.com/leonxn/quizz_heroes.git

CAPTURAS (CÓDIGO Y RESULTADO):

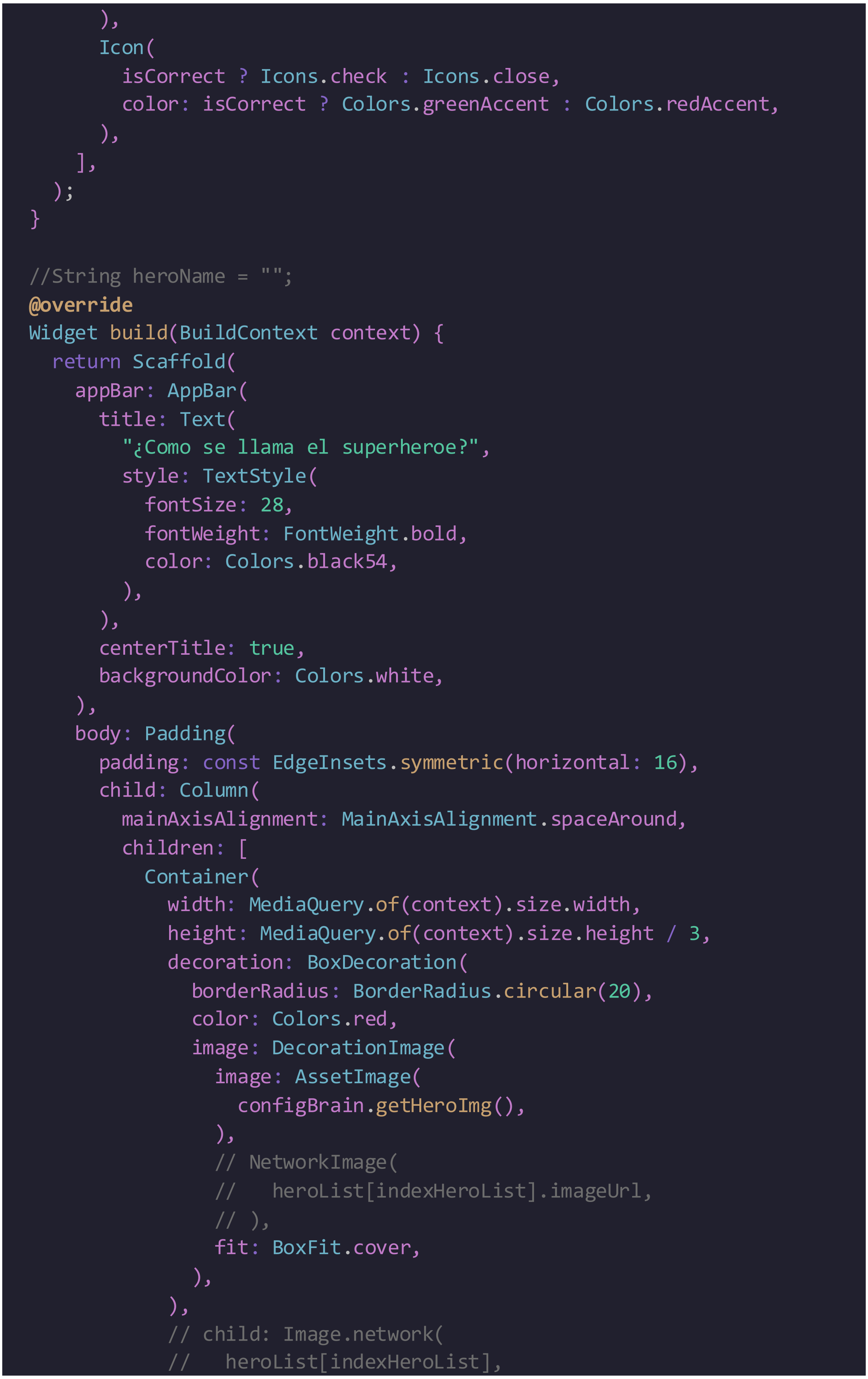

image_explorer_page.dart - flutter_images_explorer - Visual Studio Code
main.dart
image_explorer_page.dart
constans.dart
config_brain.dart
hero_model.dart
answer_model.dart
constants.dart
lib > pages > image_explorer_page.dart > _ImageExplorerPageState > build
Android Emulator - S23_API_34:5554
¿Como se llama el superheroe?
El Americano
Capitán Americano
Capitán America
Sr Capitán
Activar Windows
Ve a Configuración para activar Windows.

```dart
          padding: const EdgeInsets.all(8.0),
          child: Container(
            height: double.infinity, // Alto máximo
            child: MaterialButton(
              shape: RoundedRectangleBorder(
                borderRadius: BorderRadius.circular(10.0),
              ), // RoundedRectangleBorder
              onPressed: () {
                checkAnswer(configBrain.isHeroAnswerCorrect(3),
                    configBrain.getAnswerNumber());
              },
              color: Color(0xffF06060),
              child: Text(
                configBrain.getHeroAnswerText(3),
                style: textoButton,
              ), // Text
            ), // MaterialButton
          ), // Container
        ), // Padding
      ), // Expanded
    ],
```

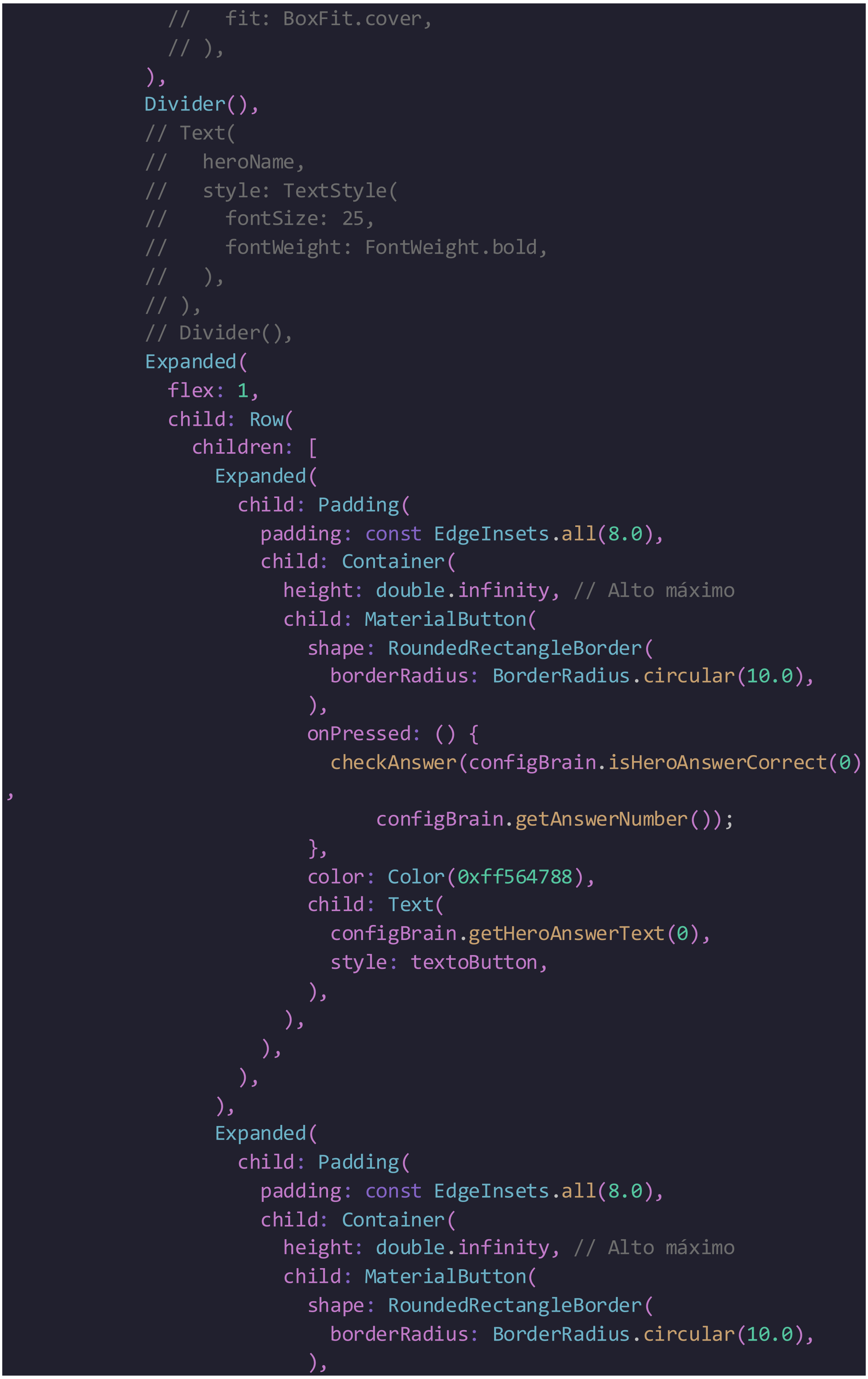
```
PS D:\CURSO FLUTTER\G8\flutter_images_explorer> git commit -m "constantes para estilo buttons"
[main 40838af] constantes para estilo buttons
 2 files changed, 22 insertions(+), 22 deletions(-)
 create mode 100644 lib/constans/constans.dart
PS D:\CURSO FLUTTER\G8\flutter_images_explorer> git push
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 16 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (7/7), 892 bytes | 892.00 KiB/s, done.
Total 7 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To github.com:leonxn/quizz_heroes.git
   2de4c6e..40838af  main -> main
PS D:\CURSO FLUTTER\G8\flutter_images_explorer>
```



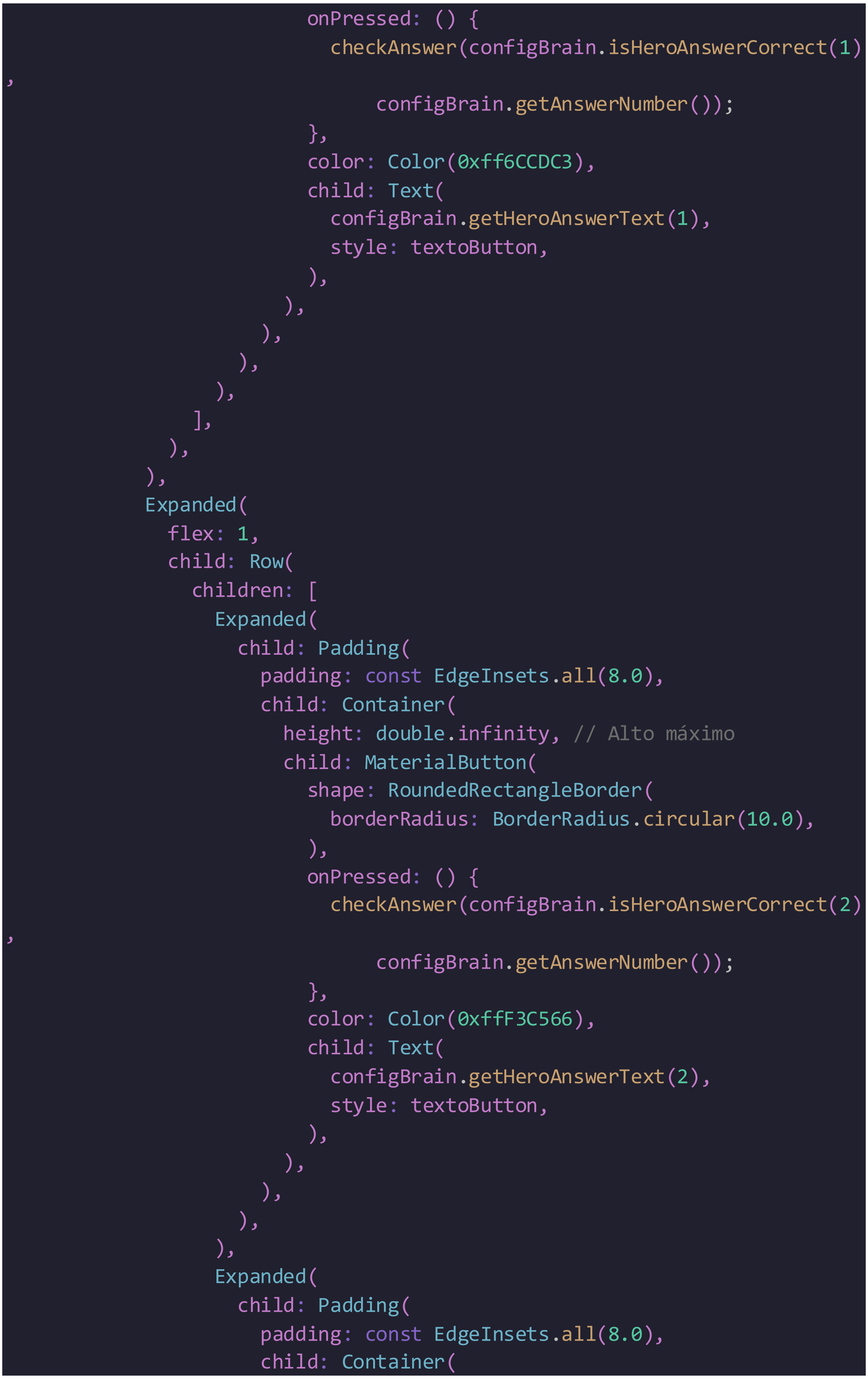
```dart
import 'package:flutter/material.dart';
import 'package:flutter_images_explorer/config/config_brain.dart';
import 'package:rflutter_alert/rflutter_alert.dart';
import 'package:flutter_images_explorer/constans/constans.dart';

class ImageExplorerPage extends StatefulWidget {
  @override
  State<ImageExplorerPage> createState() => _ImageExplorerPageState();
}

class _ImageExplorerPageState extends State<ImageExplorerPage> {
  ConfigBrain configBrain = ConfigBrain();
  List<Widget> score = [];

  void checkAnswer(bool userAnswer, String numberQuestion) {
    if (configBrain.isFinished() == true) {
      int totalpuntaje = configBrain.puntaje;
      Alert(
          context: context,
          type: totalpuntaje == 0 ? AlertType.error : AlertType.success,
          title: "QuizApp Heroes",
          desc:
              "El cuestionario ha llegado a su fin, obtuviste
$totalpuntaje puntos.",
          buttons: [
            DialogButton(
                color: Color(0xff564788),
                child: Text(
                  "Aceptar",
                  style: TextStyle(
                    color: Colors.white,
                    fontSize: 18,
                    fontWeight: FontWeight.bold,
                  ),
                ),
                onPressed: () {
                  configBrain.restarQuizz();
                  score.clear();
                  Navigator.pop(context);
                  setState(() {});
                }),
          ]).show();
    } else {
      if (true == userAnswer) {
        score.add(itemScore(numberQuestion, true));
        configBrain.updatePuntaje(true);
        int totalpuntaje = configBrain.puntaje;
        print("total puntaje=$totalpuntaje");
        print("CORRECTO");
      } else {
        score.add(itemScore(numberQuestion, false));
        configBrain.updatePuntaje(false);
        int totalpuntaje = configBrain.puntaje;
        print("total puntaje=$totalpuntaje");
        print("INCORRECTO");
      }
      configBrain.nextQuestion();
    }
    setState(() {});
  }

  Widget itemScore(String numberQuestion, bool isCorrect) {
    return Row(
      children: [
        Text(
          "$numberQuestion: ",
          style: TextStyle(
            color: Colors.black,
            fontSize: 20,
          ),
```



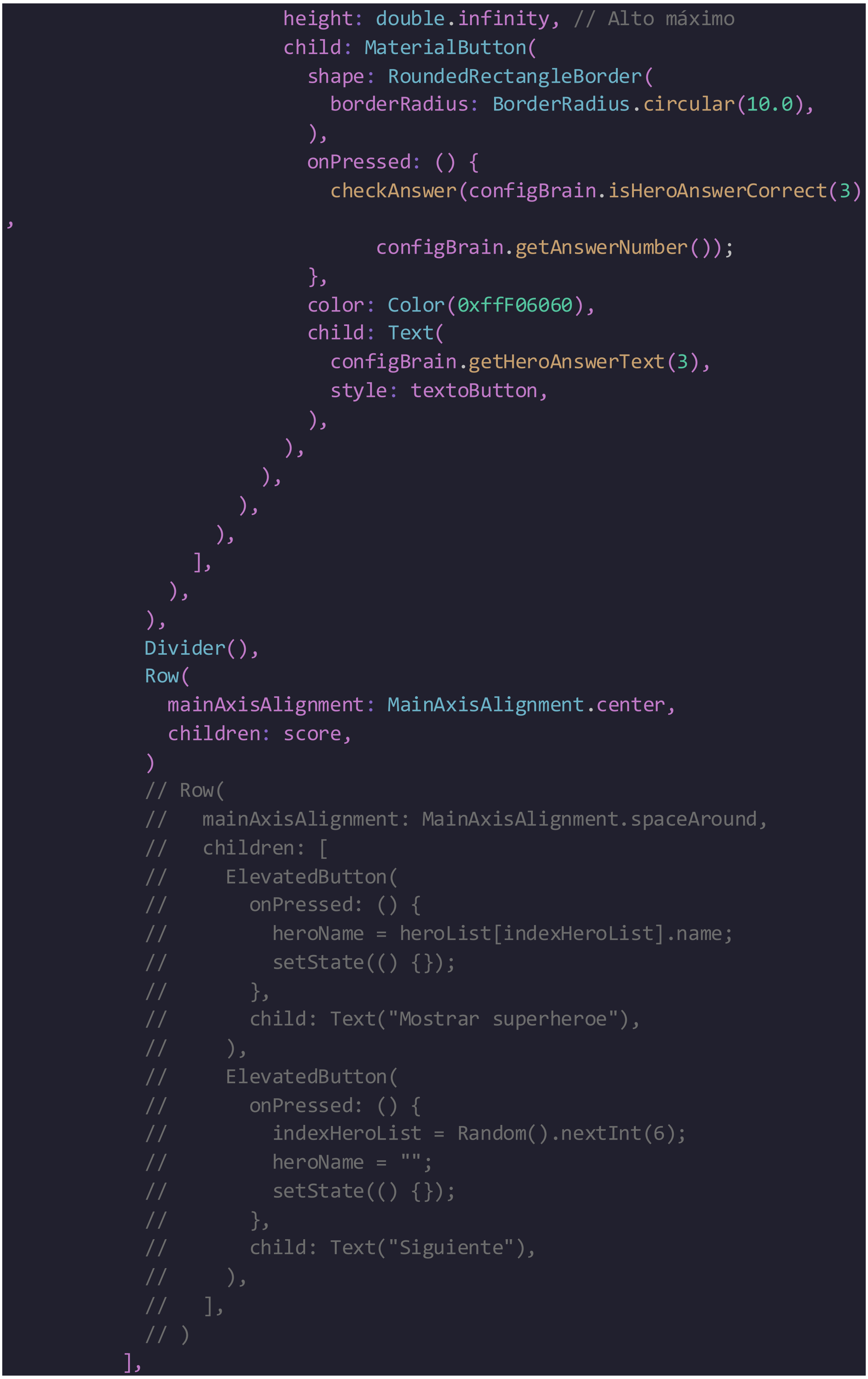
```
      ),
      Icon(
        isCorrect ? Icons.check : Icons.close,
        color: isCorrect ? Colors.greenAccent : Colors.redAccent,
      ),
    ],
  );
}

//String heroName = "";
@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text(
        "¿Como se llama el superheroe?",
        style: TextStyle(
          fontSize: 28,
          fontWeight: FontWeight.bold,
          color: Colors.black54,
        ),
      ),
      centerTitle: true,
      backgroundColor: Colors.white,
    ),
    body: Padding(
      padding: const EdgeInsets.symmetric(horizontal: 16),
      child: Column(
        mainAxisAlignment: MainAxisAlignment.spaceAround,
        children: [
          Container(
            width: MediaQuery.of(context).size.width,
            height: MediaQuery.of(context).size.height / 3,
            decoration: BoxDecoration(
              borderRadius: BorderRadius.circular(20),
              color: Colors.red,
              image: DecorationImage(
                image: AssetImage(
                  configBrain.getHeroImg(),
                ),
                // NetworkImage(
                //   heroList[indexHeroList].imageUrl,
                // ),
                fit: BoxFit.cover,
              ),
            ),
            // child: Image.network(
            //   heroList[indexHeroList],
```



```
              //   fit: BoxFit.cover,
              // ),
            ),
            Divider(),
            // Text(
            //   heroName,
            //   style: TextStyle(
            //     fontSize: 25,
            //     fontWeight: FontWeight.bold,
            //   ),
            // ),
            // Divider(),
            Expanded(
              flex: 1,
              child: Row(
                children: [
                  Expanded(
                    child: Padding(
                      padding: const EdgeInsets.all(8.0),
                      child: Container(
                        height: double.infinity, // Alto máximo
                        child: MaterialButton(
                          shape: RoundedRectangleBorder(
                            borderRadius: BorderRadius.circular(10.0),
                          ),
                          onPressed: () {
                            checkAnswer(configBrain.isHeroAnswerCorrect(0)
,
                                configBrain.getAnswerNumber());
                          },
                          color: Color(0xff564788),
                          child: Text(
                            configBrain.getHeroAnswerText(0),
                            style: textoButton,
                          ),
                        ),
                      ),
                    ),
                  ),
                  Expanded(
                    child: Padding(
                      padding: const EdgeInsets.all(8.0),
                      child: Container(
                        height: double.infinity, // Alto máximo
                        child: MaterialButton(
                          shape: RoundedRectangleBorder(
                            borderRadius: BorderRadius.circular(10.0),
                          ),
```



```
                          onPressed: () {
                            checkAnswer(configBrain.isHeroAnswerCorrect(1)
,

                                configBrain.getAnswerNumber());
                          },
                          color: Color(0xff6CCDC3),
                          child: Text(
                            configBrain.getHeroAnswerText(1),
                            style: textoButton,
                          ),
                        ),
                      ),
                    ),
                  ),
                ],
              ),
            ),
            Expanded(
              flex: 1,
              child: Row(
                children: [
                  Expanded(
                    child: Padding(
                      padding: const EdgeInsets.all(8.0),
                      child: Container(
                        height: double.infinity, // Alto máximo
                        child: MaterialButton(
                          shape: RoundedRectangleBorder(
                            borderRadius: BorderRadius.circular(10.0),
                          ),
                          onPressed: () {
                            checkAnswer(configBrain.isHeroAnswerCorrect(2)
,

                                configBrain.getAnswerNumber());
                          },
                          color: Color(0xffF3C566),
                          child: Text(
                            configBrain.getHeroAnswerText(2),
                            style: textoButton,
                          ),
                        ),
                      ),
                    ),
                  ),
                  Expanded(
                    child: Padding(
                      padding: const EdgeInsets.all(8.0),
                      child: Container(
```

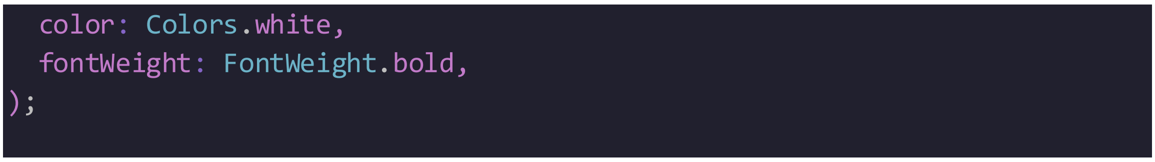


```
                        height: double.infinity, // Alto máximo
                        child: MaterialButton(
                          shape: RoundedRectangleBorder(
                            borderRadius: BorderRadius.circular(10.0),
                          ),
                          onPressed: () {
                            checkAnswer(configBrain.isHeroAnswerCorrect(3)
,

                                configBrain.getAnswerNumber());
                          },
                          color: Color(0xffF06060),
                          child: Text(
                            configBrain.getHeroAnswerText(3),
                            style: textoButton,
                          ),
                        ),
                      ),
                    ),
                  ),
                ],
              ),
            ),
            Divider(),
            Row(
              mainAxisAlignment: MainAxisAlignment.center,
              children: score,
            )
            // Row(
            //   mainAxisAlignment: MainAxisAlignment.spaceAround,
            //   children: [
            //     ElevatedButton(
            //       onPressed: () {
            //         heroName = heroList[indexHeroList].name;
            //         setState(() {});
            //       },
            //       child: Text("Mostrar superheroe"),
            //     ),
            //     ElevatedButton(
            //       onPressed: () {
            //         indexHeroList = Random().nextInt(6);
            //         heroName = "";
            //         setState(() {});
            //       },
            //       child: Text("Siguiente"),
            //     ),
            //   ],
            // )
          ],
        ),
      ),
    );
  }
}
```

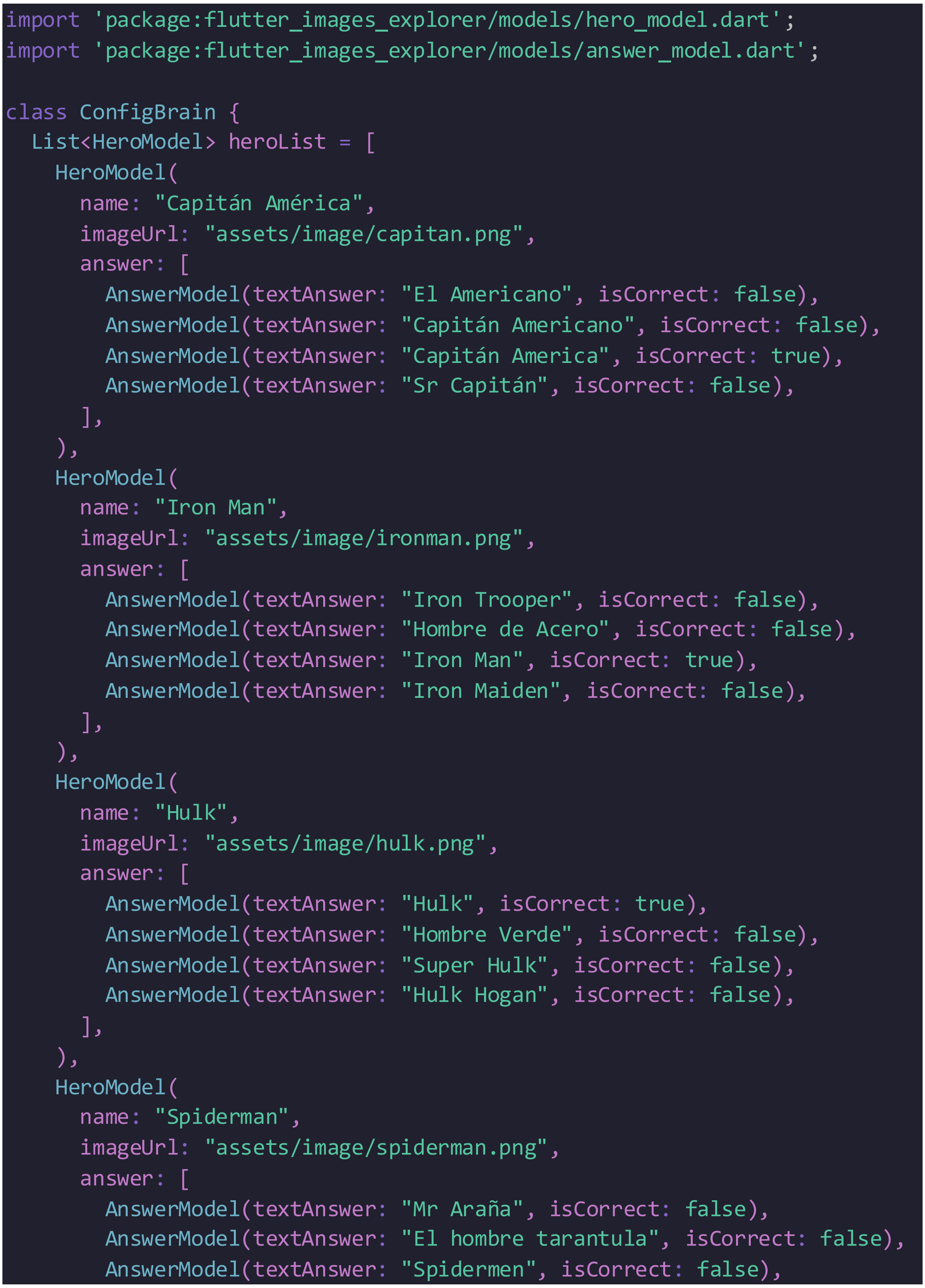
```
import 'package:flutter_images_explorer/models/answer_model.dart';

class HeroModel {
  String name;
  String imageUrl;
  List<AnswerModel> answer;

  //COSTRUCTOR POR DEFECTO
  // HeroModel(this.name, this.imageUrl);

  //CONSTRUCTOR CON PARAMETROS
  // HeroModel.conParametros({required this.name, required
this.imageUrl});
  HeroModel({
    required this.name,
    required this.imageUrl,
    required this.answer,
  }); //PARAMETROS REQUIRED O SEA SON NECESARIOS SI O SI
}
```

```
class AnswerModel {
  String textAnswer;
  bool isCorrect;

  AnswerModel({
    required this.textAnswer,
    required this.isCorrect,
  });
}
```

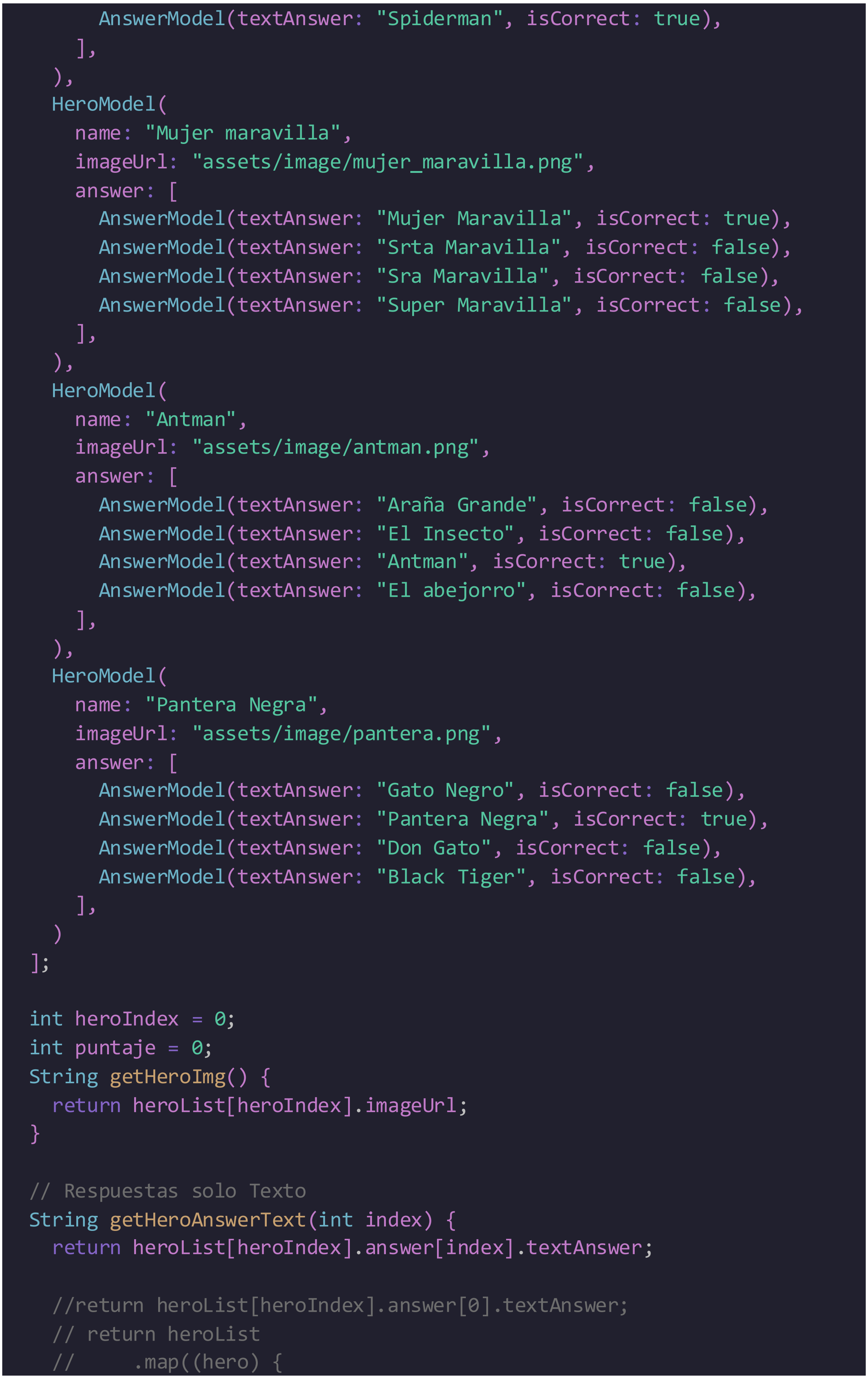
```
import 'package:flutter/material.dart';

final TextStyle textoButton = TextStyle(
  fontSize: 25,
```



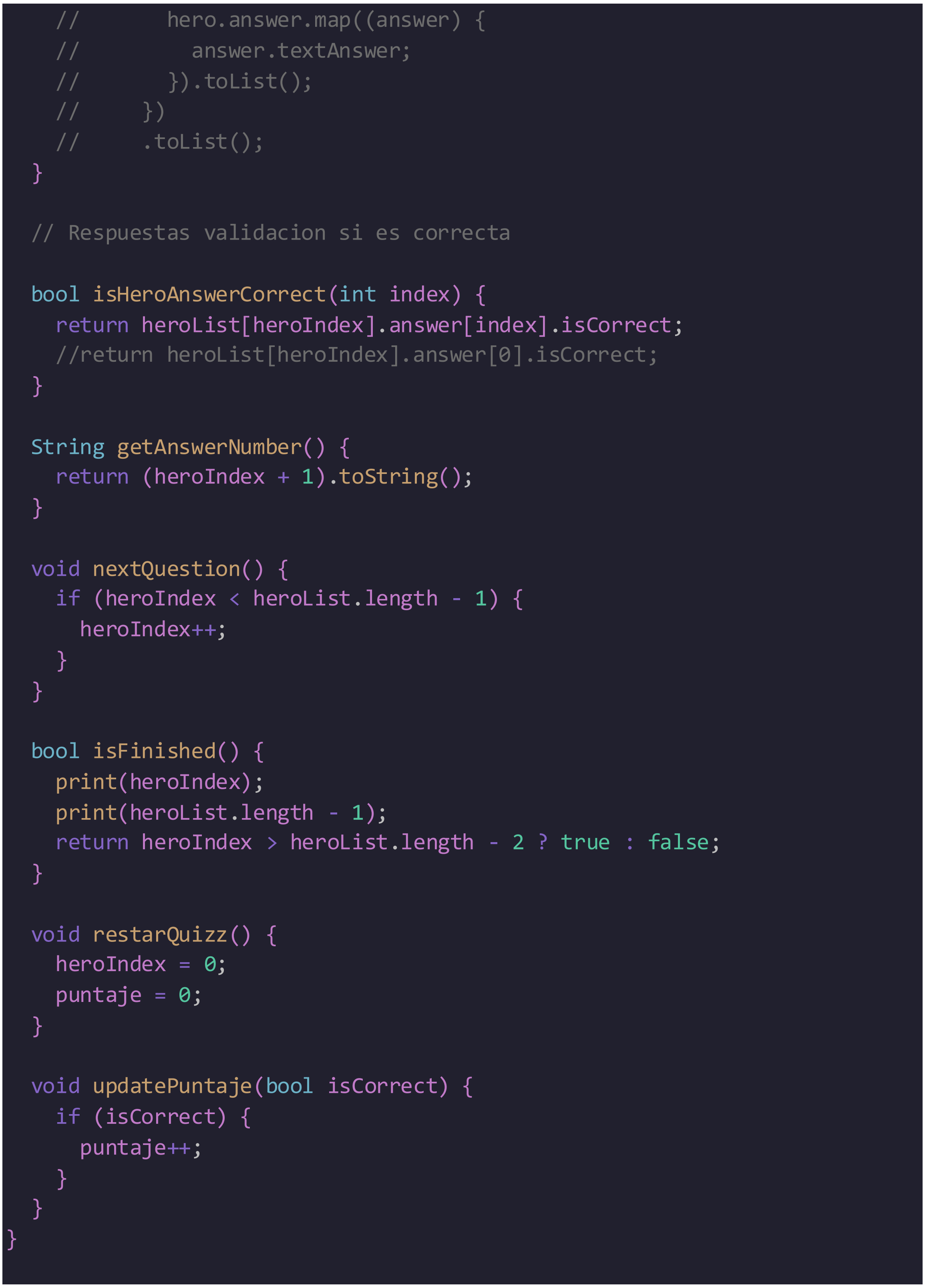
```
  color: Colors.white,
  fontWeight: FontWeight.bold,
);
```



```
import 'package:flutter_images_explorer/models/hero_model.dart';
import 'package:flutter_images_explorer/models/answer_model.dart';

class ConfigBrain {
  List<HeroModel> heroList = [
    HeroModel(
      name: "Capitán América",
      imageUrl: "assets/image/capitan.png",
      answer: [
        AnswerModel(textAnswer: "El Americano", isCorrect: false),
        AnswerModel(textAnswer: "Capitán Americano", isCorrect: false),
        AnswerModel(textAnswer: "Capitán America", isCorrect: true),
        AnswerModel(textAnswer: "Sr Capitán", isCorrect: false),
      ],
    ),
    HeroModel(
      name: "Iron Man",
      imageUrl: "assets/image/ironman.png",
      answer: [
        AnswerModel(textAnswer: "Iron Trooper", isCorrect: false),
        AnswerModel(textAnswer: "Hombre de Acero", isCorrect: false),
        AnswerModel(textAnswer: "Iron Man", isCorrect: true),
        AnswerModel(textAnswer: "Iron Maiden", isCorrect: false),
      ],
    ),
    HeroModel(
      name: "Hulk",
      imageUrl: "assets/image/hulk.png",
      answer: [
        AnswerModel(textAnswer: "Hulk", isCorrect: true),
        AnswerModel(textAnswer: "Hombre Verde", isCorrect: false),
        AnswerModel(textAnswer: "Super Hulk", isCorrect: false),
        AnswerModel(textAnswer: "Hulk Hogan", isCorrect: false),
      ],
    ),
    HeroModel(
      name: "Spiderman",
      imageUrl: "assets/image/spiderman.png",
      answer: [
        AnswerModel(textAnswer: "Mr Araña", isCorrect: false),
        AnswerModel(textAnswer: "El hombre tarantula", isCorrect: false),
        AnswerModel(textAnswer: "Spidermen", isCorrect: false),
```



```
      AnswerModel(textAnswer: "Spiderman", isCorrect: true),
    ],
  ),
  HeroModel(
    name: "Mujer maravilla",
    imageUrl: "assets/image/mujer_maravilla.png",
    answer: [
      AnswerModel(textAnswer: "Mujer Maravilla", isCorrect: true),
      AnswerModel(textAnswer: "Srta Maravilla", isCorrect: false),
      AnswerModel(textAnswer: "Sra Maravilla", isCorrect: false),
      AnswerModel(textAnswer: "Super Maravilla", isCorrect: false),
    ],
  ),
  HeroModel(
    name: "Antman",
    imageUrl: "assets/image/antman.png",
    answer: [
      AnswerModel(textAnswer: "Araña Grande", isCorrect: false),
      AnswerModel(textAnswer: "El Insecto", isCorrect: false),
      AnswerModel(textAnswer: "Antman", isCorrect: true),
      AnswerModel(textAnswer: "El abejorro", isCorrect: false),
    ],
  ),
  HeroModel(
    name: "Pantera Negra",
    imageUrl: "assets/image/pantera.png",
    answer: [
      AnswerModel(textAnswer: "Gato Negro", isCorrect: false),
      AnswerModel(textAnswer: "Pantera Negra", isCorrect: true),
      AnswerModel(textAnswer: "Don Gato", isCorrect: false),
      AnswerModel(textAnswer: "Black Tiger", isCorrect: false),
    ],
  )
];

int heroIndex = 0;
int puntaje = 0;
String getHeroImg() {
  return heroList[heroIndex].imageUrl;
}

// Respuestas solo Texto
String getHeroAnswerText(int index) {
  return heroList[heroIndex].answer[index].textAnswer;

  //return heroList[heroIndex].answer[0].textAnswer;
  // return heroList
  //     .map((hero) {
```



```
    //       hero.answer.map((answer) {
    //         answer.textAnswer;
    //       }).toList();
    //     })
    //     .toList();
  }

  // Respuestas validacion si es correcta

  bool isHeroAnswerCorrect(int index) {
    return heroList[heroIndex].answer[index].isCorrect;
    //return heroList[heroIndex].answer[0].isCorrect;
  }

  String getAnswerNumber() {
    return (heroIndex + 1).toString();
  }

  void nextQuestion() {
    if (heroIndex < heroList.length - 1) {
      heroIndex++;
    }
  }

  bool isFinished() {
    print(heroIndex);
    print(heroList.length - 1);
    return heroIndex > heroList.length - 2 ? true : false;
  }

  void restarQuizz() {
    heroIndex = 0;
    puntaje = 0;
  }

  void updatePuntaje(bool isCorrect) {
    if (isCorrect) {
      puntaje++;
    }
  }
}
```