import 'dart:math';

import 'package:flutter/material.dart';

void main() {

runApp(DiceGame());

}

class DiceGame extends StatefulWidget {

@override

\_DiceGameState createState() => \_DiceGameState();

}

class \_DiceGameState extends State<DiceGame> {

int first = 1;

int second = 1;

int third = 1;

int fourth = 1;

int p1score = 0;

int p2score = 0;

int p3score = 0;

int p4score = 0;

bool p1 = true;

bool p2 = false;

bool p3 = false;

bool p4 = false;

dynamic roll = 10;

@override

Widget build(BuildContext context) {

return MaterialApp(

debugShowCheckedModeBanner: false,

home: Scaffold(

backgroundColor: Colors.yellow,

appBar: AppBar(

title: Text(

'4 player Dice game',

style: TextStyle(color: Colors.white),

),

// backgroundColor: Colors.teal[200],

backgroundColor: Colors.black,

centerTitle: true,

),

body: SingleChildScrollView(

child: Column(

mainAxisAlignment: MainAxisAlignment.center,

children: [

Text(

'ROLL Count Left',

style: TextStyle(

fontWeight: FontWeight.bold,

fontSize: 20,

color: Colors.black,

fontFamily: 'Orbitron',

letterSpacing: 2.0,

),

),

SizedBox(height: 12),

TextButton(

onPressed: () {

setState(() {

p1score = 0;

p2score = 0;

p3score = 0;

p4score = 0;

roll = 3;

p1 = true;

p2 = false;

p3 = false;

p4 = false;

first = 1;

second = 1;

fourth = 1;

fourth = 1;

});

},

child: Text(

'$roll',

style: TextStyle(

color: Colors.black,

fontSize: 30,

fontWeight: FontWeight.bold,

fontFamily: 'Orbitron',

letterSpacing: 2.0,

),

),

),

Row(

children: [

Expanded(

child: TextButton(

onPressed: p1

? () {

setState(() {

roll -= 1;

first = Random().nextInt(6) + 1;

p1score += first;

});

p1 = false;

p2 = true;

p3 = false;

p4 = false;

}

: null,

child: Image.asset(

('https://picsum.photos/250?image=9'),

//color: Colors.red,

width: 100,

height: 100,

),

),

),

Expanded(

child: TextButton(

onPressed: p2

? () {

setState(() {

roll -= 1;

if (roll > 0) {

second = Random().nextInt(6) + 1;

p2score += second;

print('I am executed');

p3 = true;

} else {

second = Random().nextInt(6) + 1;

p2score += second;

print('I am executed');

p1 = false;

p2 = false;

p3 = false;

p4 = false;

if (p1score > p2score) {

roll = 'Player 1 won replay';

} else if (p2score == p1score) {

roll = 'Drawn';

} else {

roll = 'Player 2 won, replay!';

}

}

});

p2 = false;

}

: null,

child: Image.asset(

'images/dice$second.png',

//color: Colors.green,

width: 100,

height: 100,

),

),

),

],

),

SizedBox(height: 22),

Row(

children: [

Expanded(

child: Container(

child: Center(

child: Text(

'$p1score',

style: TextStyle(

fontSize: 25.0,

fontWeight: FontWeight.bold,

color: Colors.black,

fontFamily: 'Orbitron',

letterSpacing: 2.0,

),

),

),

),

),

Expanded(

child: Container(

child: Center(

child: Text(

'$p2score',

style: TextStyle(

fontSize: 25.0,

fontWeight: FontWeight.bold,

color: Colors.black,

fontFamily: 'Orbitron',

letterSpacing: 2.0,

),

),

),

),

),

],

),

SizedBox(height: 22),

Row(

children: [

Expanded(

child: Container(

child: Center(

child: Text(

'P 1',

style: TextStyle(

fontSize: 20.0,

fontWeight: FontWeight.bold,

color: Colors.black,

fontFamily: 'Orbitron',

letterSpacing: 2.0,

),

),

),

),

),

Expanded(

child: Container(

child: Center(

child: Text(

'P 2',

style: TextStyle(

fontSize: 20.0,

fontWeight: FontWeight.bold,

color: Colors.black,

fontFamily: 'Orbitron',

letterSpacing: 2.0,

),

),

),

),

),

],

),

SizedBox(height: 22),

Row(

children: [

Expanded(

child: TextButton(

onPressed: p3

? () {

setState(() {

third = Random().nextInt(6) + 1;

p3score += third;

});

p1 = false;

p2 = false;

p3 = false;

p4 = true;

}

: null,

child: Image.asset(

'images/dice$third.png',

// color: Colors.blue,

width: 100,

height: 100,

),

),

),

Expanded(

child: TextButton(

onPressed: p4

? () {

setState(() {

fourth = Random().nextInt(6) + 1;

p4score += fourth;

});

p1 = true;

p2 = false;

p3 = false;

p4 = false;

}

: null,

child: Image.asset(

'images/dice$fourth.png',

// color: Colors.yellow,

width: 100,

height: 100,

),

),

),

],

),

SizedBox(height: 22),

Row(

children: [

Expanded(

child: Container(

child: Center(

child: Text(

'$p3score',

style: TextStyle(

fontSize: 25.0,

fontWeight: FontWeight.bold,

color: Colors.black,

fontFamily: 'Orbitron',

letterSpacing: 2.0,

),

),

),

),

),

Expanded(

child: Container(

child: Center(

child: Text(

'$p4score',

style: TextStyle(

fontSize: 25.0,

fontWeight: FontWeight.bold,

color: Colors.black,

fontFamily: 'Orbitron',

letterSpacing: 2.0,

),

),

),

),

),

],

),

SizedBox(height: 22),

Row(

children: [

Expanded(

child: Container(

child: Center(

child: Text(

'P 3',

style: TextStyle(

fontSize: 20.0,

fontWeight: FontWeight.bold,

color: Colors.black,

fontFamily: 'Orbitron',

letterSpacing: 2.0,

),

),

),

),

),

Expanded(

child: Container(

child: Center(

child: Text(

'P 4',

style: TextStyle(

fontSize: 20.0,

fontWeight: FontWeight.bold,

color: Colors.black,

fontFamily: 'Orbitron',

letterSpacing: 2.0,

),

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),

SizedBox(

height: 6.0,

),

],

),

),

),

);

}

}