**Лабораторна робота №5**

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Варіант №18

Дано:

* Цифра: 4
* Розмір пікселя: 25х25
* Колір пікселя: зелений
* Розмір границі: 3
* Колір границі: сірий
* Радiyc кутка: 4

Код:

import 'package:flutter/material.dart';

void main() {

runApp(const MyApp());

}

const \_size = 25.0;

const \_bgColor = Colors.green;

const \_borderColor = Colors.grey;

const \_borderWidth = 3.0;

const \_borderRadius = 4.0;

class MyApp extends StatelessWidget {

const MyApp({super.key});

// This widget is the root of your application.

@override

Widget build(BuildContext context) {

return MaterialApp(

title: 'Lab-5',

theme: ThemeData(

colorScheme: ColorScheme.fromSeed(seedColor: Colors.deepPurple),

useMaterial3: true,

),

home: const MyHomePage(title: 'Max Lab-5 Ipz-33'),

);

}

}

class MyHomePage extends StatefulWidget {

const MyHomePage({super.key, required this.title});

final String title;

@override

State<MyHomePage> createState() => \_MyHomePageState();

}

class \_MyHomePageState extends State<MyHomePage> {

@override

Widget build(BuildContext context) {

return Scaffold(

appBar: AppBar(

backgroundColor: Theme.of(context).colorScheme.inversePrimary,

title: Text(widget.title),

),

body: Column(

mainAxisAlignment: MainAxisAlignment.start,

children: \_buildFour(),

),

);

}

List<Widget> \_buildFour() {

return [

\_buildLineTopBottom(),

\_buildLineTopBottom(),

\_buildLine(),

\_buildLineSide(),

\_buildLineSide(),

\_buildLineSide(),

];

}

Widget \_buildLineTopBottom() {

return Row(

mainAxisAlignment: MainAxisAlignment.center,

children: [

\_buildDot(Colors.green),

\_buildEmpty(),

\_buildEmpty(),

\_buildDot(Colors.green),

],

);

}

Widget \_buildLine() {

return Row(

mainAxisAlignment: MainAxisAlignment.center,

children: [

\_buildDot(Colors.green),

\_buildDot(Colors.green),

\_buildDot(Colors.green),

\_buildDot(Colors.green),

],

);

}

Widget \_buildLineSide() {

return Row(

mainAxisAlignment: MainAxisAlignment.center,

children: [

\_buildEmpty(),

\_buildEmpty(),

\_buildEmpty(),

\_buildDot(Colors.green),

],

);

}

Widget \_buildDot(Color color) {

return Container(

width: \_size,

height: \_size,

decoration: BoxDecoration(

color: \_bgColor,

borderRadius: const BorderRadius.all(

Radius.circular(\_borderRadius),

),

border: Border.all(

color: \_borderColor,

width: \_borderWidth,

),

),

);

}

Widget \_buildEmpty() {

return const SizedBox(

width: \_size,

height: \_size,

);

}

}

Скріншот рішення:

