Experiment 04

AIM:- Create and application with Flutter UI Components.

Source :- Mai.dart

Code :-

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

void main() {
 runApp(MaterialApp(
  debugShowCheckedModeBanner: false,
  home: Scaffold(
   appBar: AppBar(
    backgroundColor: Colors.deepPurple,
    title: Text(
      "Practical 4",
      style: TextStyle(color: Colors.white),
    ),
   ),
   backgroundColor: Colors.grey[200], // Changed background color
   body: Center(
    child: Column(
     mainAxisAlignment: MainAxisAlignment.center,
     children: [
      // First Row
      Row(
       mainAxisAlignment: MainAxisAlignment.spaceEvenly,
       children: [
        customContainer(Colors.blue, Icons.favorite),
        customContainer(Colors.green, Icons.favorite),
        customContainer(Colors.orange, Icons.favorite),
       ],
      ),
      // Second Row
      Row(
       mainAxisAlignment: MainAxisAlignment.spaceEvenly,
       children: [
        customContainer(Colors.red, Icons.thumb_up),
        customContainer(Colors.teal, Icons.thumb_up),
       ],
```

```dart
        ),
        // Third Row (Single Centered Box)
        customContainer(Colors.purple, Icons.star, isLarge: true),
      ],
    ),
   ),
  ),
 ));
}

// Custom Widget for Container
Widget customContainer(Color color, IconData icon, {bool isLarge = false}) {
 return Container(
   width: isLarge ? 120 : 80,
   height: isLarge ? 120 : 80,
   decoration: BoxDecoration(
     color: color,
     shape: BoxShape.circle,
     boxShadow: [
       BoxShadow(
         color: Colors.black26,
         blurRadius: 8,
         spreadRadius: 2,
         offset: Offset(2, 4),
       )
     ],
   ),
   child: Icon(
     icon,
     color: Colors.white,
     size: isLarge ? 50 : 40,
   ),
 );
}
```

Output:-