**Laboratory Exercise**

**A. Program**

1. Design the layout of the mobile app by using the following widgets.

Material App, Scaffold, Container, Row, Column, ListView, GridView, Table.

**CODE**:

| import 'package:flutter/material.dart';  void main() {  runApp(MyApp());  }  class MyApp extends StatelessWidget {  @override  Widget build(BuildContext context) {  return MaterialApp(  title: 'Flutter App Layout',  home: HomeScreen(),  );  }  }  class HomeScreen extends StatelessWidget {  @override  Widget build(BuildContext context) {  return Scaffold(  appBar: AppBar(  title: Text('App Layout Example'),  ),  body: SingleChildScrollView(  child: Column(  children: [  Container(  height: 250,  child: ListView(  padding: EdgeInsets.all(8.0),  children: List.generate(6, (index) {  return Container(  padding: EdgeIn style: TextStyle(fontSize: 18, color: Colors.*white*),  ),  ),  );  }),  ),  ),  SizedBox(height: 16),  sets.all(16.0),  Container(  padding: EdgeInsets.all(8.0),  child: Table(  border: TableBorder.all(),  children: [  TableRow(  children: [  Padding(  padding: const EdgeInsets.all(8.0),  child: Text('Header 1', style: TextStyle(fontWeight: FontWeight.*bold*)),  ),  Padding(  padding: const EdgeInsets.all(8.0),  child: Text('Header 2', style: TextStyle(fontWeight: FontWeight.*bold*)),  ),  ],  ),  TableRow(  children: [  Padding(  padding: const EdgeInsets.all(8.0),  child: Text('Row 1, Col 1'),  ),  Padding  children: [  Padding(  padding: const EdgeInsets.all(8.0),  child: Text('Row 2, Col 1'),  ),  Padding(  padding: const EdgeInsets.all(8.0),  child: Text('Row 2, Col 2'),  ),  ],  ),  ],  ),  ), TableRow(  ],  ), | color: Colors.*blue*[100 \* (index + 1)],  child: Text('Item ${index + 1}', style: TextStyle(fontSize: 20)),  );  }),  ),  ),  SizedBox(height: 16),  Container(  height: 460, padding: EdgeInsets.symmetric(vertical: 4.0),  child: GridView.count(  shrinkWrap: true,  physics: NeverScrollableScrollPhysics(),  crossAxisCount: 3,  crossAxisSpacing: 10,  mainAxisSpacing: 10,  childAspectRatio: 1.0,  children: List.generate(9, (index) {  return Container(  decoration: BoxDecoration(  color: Colors.*orange*,  borderRadius: BorderRadius.circular(16),  ),  child: Center(  child: Text(  'Grid ${index + 1}',  padding: const EdgeInsets.all(8.0),  child: Text('Row 1, Col 2'),  ),  ],  ),  OUTPUT: |
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