# Elevated button:

child: ElevatedButton(

                    onPressed: () {},

                    child: Text(

                      "Submit Login",

                    ),

                    style: TextButton.**styleFrom**(),

                  ),

# TextFormField:

  TextFormField(

                  obscureText: true,

                  decoration: InputDecoration(

                    labelText: "Password",

                  ),

                ),

# Image:

Image(

                image: AssetImage(

                  "assets/images/login.png",

                ),

                fit: BoxFit.cover),

# Padding:

    Padding(

            padding: const EdgeInsets.**only**(

              left: 8,

              right: 8,

              top: 8,

            ),)

# FontFamily:

  theme: ThemeData(

        primarySwatch: Colors.deepPurple,

        primaryTextTheme: GoogleFonts.**latoTextTheme**(),

        fontFamily: GoogleFonts.**lato**().fontFamily,

      ),

# Routes:

  routes: {

        "/": (context) => Login(),

        "/Login": (context) => Login(),

      },

# SingleChildScrollView:

  child: SingleChildScrollView(

          child: Column(children: <Widget>[

# Navigator:

  Navigator.**pushNamed**(context, Myroute.HomeRoute);

class Myroute {

  static String LoginRoute = "/Login";

  static String HomeRoute = "/Home";

}

 routes: {

        Myroute.LoginRoute: (context) => Login(),

        Myroute.HomeRoute: (context) => Home(),

      },

# Stateful Widget:

Change in screen can come.

              "Welcome ${name}",

onChanged: (value) {

                      name = value.**toString**();

**setState**(() {});

                    },

GestureDetector: Has No Effect, inckWell has some effect.

   InkWell(

                    onTap: () {

                      Navigator.**pushNamed**(context, Myroute.HomeRoute);

                    },

# Material:

                  Material(

                    color: Colors.deepPurple,

                    borderRadius: BorderRadius.**circular**(7),

use it to get rerel effect, but you need to remove any type of decorations from its incestors.

# Drawer with ListView:

Drawer(

        backgroundColor: Colors.deepPurple,

        child: ListView(

          padding: EdgeInsets.zero,

          children: <Widget>[

            DrawerHeader(

              padding: EdgeInsets.zero,

              child: UserAccountsDrawerHeader(

                margin: EdgeInsets.zero,

                accountEmail: Text("engineer.muzamilkhan@gmail.com",

                    style: TextStyle(color: Colors.white)),

                accountName: Text("Muzamil Khan",

                    style: TextStyle(

                        color: Colors.white,

                        fontWeight: FontWeight.w900,

                        fontSize: 16)),

                currentAccountPicture: CircleAvatar(

                  backgroundImage: NetworkImage(

                      "https://media-exp1.licdn.com/dms/image/C4D03AQHBm0\_ezrm29g/profile-displayphoto-shrink\_200\_200/0/1644046206583?e=1650499200&v=beta&t=pZYeZ5y7T9qoSAowQH-UNY8glnNkjbJgOZ5oUHbt4NI"),

                ),

              ),

            ),

            ListTile(

              leading: Icon(Icons.home, color: Colors.white),

              title: Text("Home", style: TextStyle(color: Colors.white)),

            ),

            ListTile(

              leading: Icon(Icons.supervised\_user\_circle, color: Colors.white),

              title: Text("Profile", style: TextStyle(color: Colors.white)),

            ),

            ListTile(

              leading: Icon(Icons.email, color: Colors.white),

              title: Text("Email Us", style: TextStyle(color: Colors.white)),

            ),

          ],

        ));

# AppBar Update/New:

  appBar: AppBar(

          backgroundColor: Colors.white,

          iconTheme: IconThemeData(color: Colors.deepPurple),

          elevation: 5,

          title: Text("Home", style: TextStyle(color: Colors.deepPurple)),

        ),

# Creation & using of Theme

import 'package:flutter/material.dart';

import 'package:google\_fonts/google\_fonts.dart';

class MyTheme {

  static ThemeData **themeDataLight**(BuildContext context) => ThemeData(

        primarySwatch: Colors.deepPurple,

        primaryTextTheme: GoogleFonts.**latoTextTheme**(),

        fontFamily: GoogleFonts.**lato**().fontFamily,

        appBarTheme: AppBarTheme(

          elevation: 5,

          color: Colors.white,

          iconTheme: IconThemeData(color: Colors.deepPurple),

          // ignore: deprecated\_member\_use

          textTheme: Theme.**of**(context).textTheme,

        ),

      );

  static ThemeData **themeDataDark**(BuildContext context) =>

      ThemeData(brightness: Brightness.dark);

}

      theme: MyTheme.**themeDataLight**(context),

# Creating Models:

class CategoryModel {

  static final Items = [

**item**(

        id: "1",

        name: "Mouse",

        descr: "New Mouse",

        price: 300,

        color: "black",

        image:

**item**(

        id: "2",

        name: "Mouse 2",

        descr: "New Mouse 2",

        price: 400,

        color: "black",

        image:

            "

  ];

}

class item {

  final String? id;

  final String? name;

  final String? descr;

  final int? price;

  final String? color;

  final String? image;

**item**({this.id, this.name, this.descr, this.price, this.color, this.image});

}

# Constraints goes down, Sizes goes up, Parents sets position

Constraints are applied from below, sizes are applied from above.



ListView.**builder**(

          itemCount: CategoryModel.Items.length,

          itemBuilder: (context, index) {

            return ItemWidget(item1: CategoryModel.Items[index]);

          },

        ),

import 'package:flutter/material.dart';

import 'package:learning/models/items.dart';

class ItemWidget extends StatelessWidget {

  final item item1;

  const ItemWidget({Key? key, required this.item1})

      : assert(item != null),

        super(key: key);

  @override

  Widget **build**(BuildContext context) {

 return Card(

      elevation: 10,

      child: ListTile(

        leading: Image.**network**(item1.image),

        title: Text(item1.name),

        subtitle: Text(item1.descr),

        trailing: Text("${item1.price}Rs.",

            style: TextStyle(color: Colors.deepPurple, fontSize: 20)),

      ),

    );

  }

}