**Step-by-Step: "Hello World" Using a Button in Flutter**

**(main.dart)**

import 'package:flutter/material.dart';

void main() {

runApp(MyApp());

}

class MyApp extends StatelessWidget {

@override

Widget build(BuildContext context) {

return MaterialApp(

home: HelloWorldButton(),

debugShowCheckedModeBanner: false,

);

}

}

class HelloWorldButton extends StatefulWidget {

@override

\_HelloWorldButtonState createState() => \_HelloWorldButtonState();

}

class \_HelloWorldButtonState extends State<HelloWorldButton> {

String \_message = ''; // Initially empty

void \_showMessage() {

setState(() {

\_message = 'Hello World!';

});

}

@override

Widget build(BuildContext context) {

return Scaffold(

appBar: AppBar(title: Text('Hello World App')),

body: Center(

child: Column(

mainAxisAlignment: MainAxisAlignment.center,

children: [

Text(

\_message,

style: TextStyle(fontSize: 24),

),

SizedBox(height: 20),

ElevatedButton(

onPressed: \_showMessage,

child: Text('Show Message'),

),

],

),

),

);

}

}