**Task 2:**

Create a simple Flutter app that demonstrates passing data between two screens. The app should have a form on the first screen where users can enter their name and age. Upon submitting, it should navigate to the second screen and display a personalized message with the entered details.

Ans:

Main.dart:

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| --- |
| import 'package:flutter/material.dart';  void main() {  runApp(MyApp());  }  class MyApp extends StatelessWidget {  @override  Widget build(BuildContext context) {  return MaterialApp(  title: 'Data Passing App',  home: InputScreen(),  );  }  }  class InputScreen extends StatefulWidget {  @override  \_InputScreenState createState() => \_InputScreenState();}  class \_InputScreenState extends State<InputScreen> {  final TextEditingController nameController = TextEditingController();  final TextEditingController ageController = TextEditingController();  bool get isButtonEnabled =>  nameController.text.isNotEmpty && ageController.text.isNotEmpty;  @override  Widget build(BuildContext context) {  return Scaffold(  appBar: AppBar(title: Text('Enter Your Details')),  body: Padding(  padding: const EdgeInsets.all(20.0),  child: Column(  children: [  TextField(  controller: nameController,  decoration: InputDecoration(labelText: 'Enter your name'),  ),  TextField(  controller: ageController,  decoration: InputDecoration(labelText: 'Enter your age'),  keyboardType: TextInputType.number,  ),  SizedBox(height: 20),  ElevatedButton(  child: Text('Submit'),  onPressed: isButtonEnabled  ? () {  Navigator.push(  context,  MaterialPageRoute(  builder: (context) => DisplayScreen(  name: nameController.text,  age: ageController.text, ), ), ); }  : null ),], ), ),  );}  @override  void initState() {  super.initState();  nameController.addListener(() => setState(() {}));  ageController.addListener(() => setState(() {}));}}  class DisplayScreen extends StatelessWidget {  final String name;  final String age;  DisplayScreen({required this.name, required this.age});  @override  Widget build(BuildContext context) {  return Scaffold(  appBar: AppBar(title: Text('Your Info')),  body: Center(  child: Text(  'Hello $name, you are $age years old!',  style: TextStyle(fontSize: 20), ),),);}} |

OUTPUT:

