



Module 1: Introduction

- Introduction
- Importance of Flutter Introduction to Dart Writing Dart code
- Dart Pad
- Installing Dart SDK

Module 2: Dart Programming Syntax

- Introduction
- main () function
- Dart Variables
- Dart Data Types
- Input of Information to Dart Program
- Writing Comments
- Dart Conditional Operators
- If Statement
- If – Else Statement
- If...Else and Else...If... Statement
- If Else and Logical Operators
- For Loops
- While Loops
- Do-while Loops
- Break Statement
- Switch Case Statement

Module 3: Dart Functions & Object-Oriented Programming (OOP)

- Functions
- Function Structure
- Creating a Function
- Function Return Data Types
- Void Function
- Function Returning Expression
- Objects and Classes
- Creating a Class
- Adding Methods to Classes
- Providing Constructors for Your Classes
- Class Inheritance
- Dart Project Structure and Dart Libraries

Object-Oriented Programming (OOP)

Module 4: All About Flutter

- Understanding Flutter
- Flutter Framework
- Android Studio
- What is Android Studio?
- Android Studio Software Prerequisite
- Installing Android Studio
- Flutter SDK
- Installing and Configuring Flutter SDK
- Creating a New Flutter Project
- Setup an Android Virtual Device
- Run a Flutter App
- Run your Flutter App on Android Phone
- Introduction to Flutter Widgets
- Creating a Flutter App Using Widgets
- What is a Material App widget?

Module 5: Flutter Widgets Fundamentals

- Scaffold Widget
- Image Widget
- Container Widget
- Column and Row Widgets
- Icon Widget
- Card Widget
- Hot Reload and Hot Restart
- Stateful and Stateless Widgets
- Use a Custom Font
- Button Widget
- FloatingActionButton
- RaisedButton, FlatButton, and IconButton
- DropdownButton
- OutlineButton
- PopupMenuButton

Module 6: Navigation and Routing

- App Structure and Navigation
- Navigate to a New Screen and Back
- Navigate with Named Routes
- Send and Return Data Among Screens
- WebView Widget in Flutter

Module 7: Visual, Behavioral, and Motion-Rich Widgets Implementing

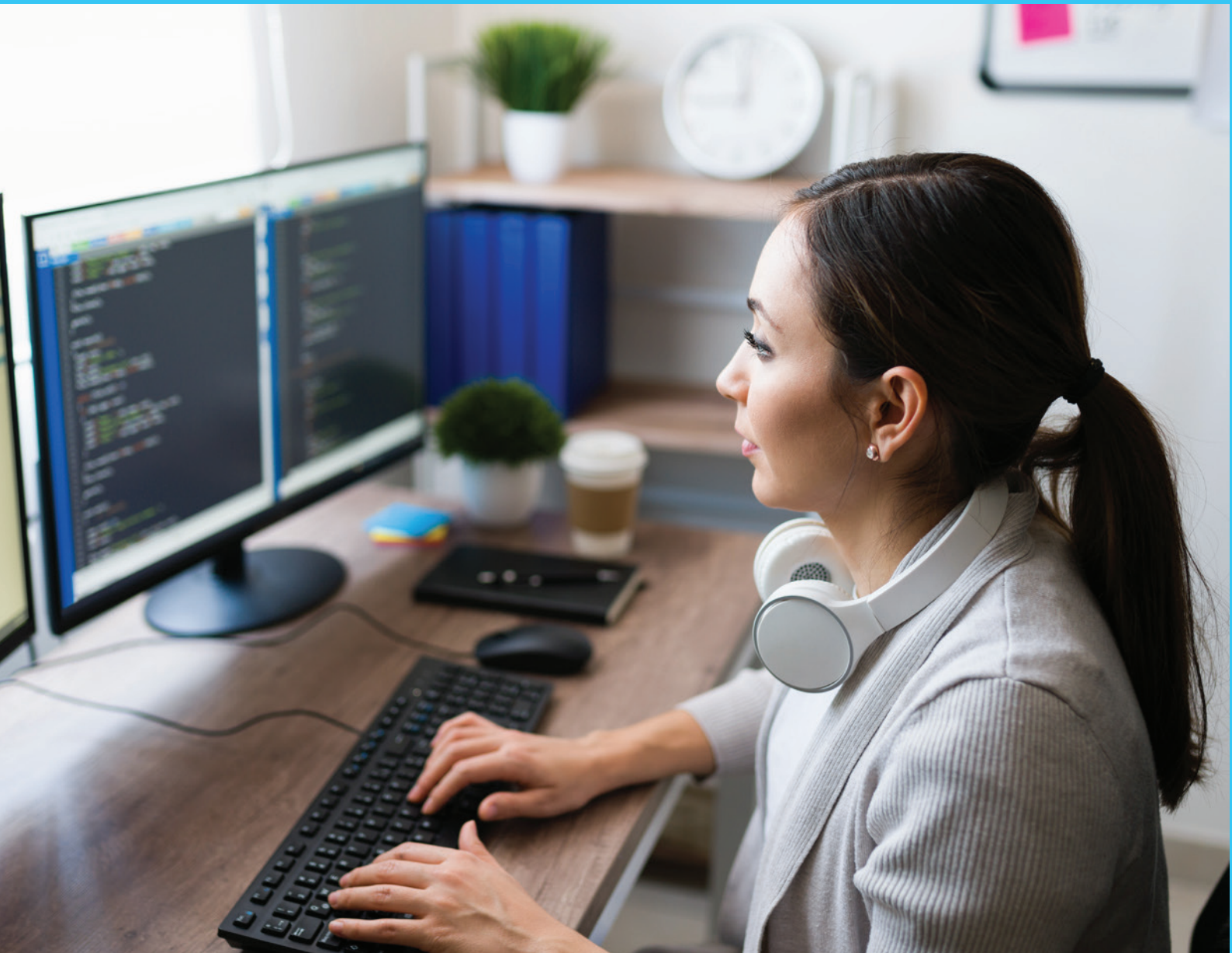
- Introduction
- BottomNavigationBar Widget
- DefaultTabController, TabBar, and TabBarView Widgets
- ListTile Widget
- ListView Widget
- Drawer Widget
- DataTable Widget
- SelectableText Widget
- Stack Widget
- Text Field Widget
- Checkbox Group and RadioButtonGroup Widgets
- Date Picker
- Slider Widget.
- Switch Widget
- Dialogs
- Alert Dialog Widget
- Bottom Sheet
- Modal Bottom Sheet
- Snack Bar Widget

Module 8: Data Persistence

- Shared Preferences
- Sqlite

Module 9: API integration

- API Introduction
- http package
- Send and fetch data using API



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