

FLUTTER DEVELOPMENT



Basics

1. Setup environment
2. stdIn -StdOut
3. Data Type
4. Comments
5. Variables
6. Const & Final keywords
7. Conversions between Data types
8. Operators
9. Conditions
10. Collections (Array – List – Set – Map)
11. Loops
12. Null Safety
13. Exceptions Handling
14. Casting
15. Functions

OOP

1. Class – object
2. Constructor
3. Members & methods
4. Inheritance
5. Encapsulation
6. Abstraction
7. Polymorphism
8. Abstract & interface
9. Operator overloading
10. Mixin

Asynchronous

1. Async & Await
2. Stream
3. Future
4. Callbacks

Widgets

1. Scaffold
2. Drawer
3. BottomNavigationBar
4. Colors
5. Container
6. Text
7. Text Field
8. Buttons
9. Images
10. Column
11. Row
12. Stack
13. ListTile
14. Single child scroll view
15. Safe Area
16. Padding
17. Visibility
18. Expanded
19. Card
20. List View
21. Grid view
22. Form with data validation
23. Menus & Dialogs
24. Stateless & State full widgets
25. Reusable components

Navigation

1. Navigate between Screens
2. Navigate By Name
3. Navigate with data
4. Return Data from Other Screen
5. Pass arguments to a named route
6. Animating a widget across screens

Networking

1. Http Requests
2. Parsing Data
3. Casting JSON to model instances
4. Fetch List Data from Server and Display

Offline Database

1. Shared Preferences

2. SQLite

Google Maps APIs

1. Load Google Map
2. Show current user location
3. Markers
4. Moving the Camera
5. Geocode & Directions API
6. Routes
7. Place Autocomplete

Multimedia

1. Playing Audio & Video Files
2. Recording Audio
3. Camera & Gallery

State Management

1. What is the State Management?
2. Provider
3. Bloc
4. Initializing state
5. Setting state
6. UI, Bloc & API communication

Firestore

1. Authentication
2. Storage
3. Realtime database
4. Cloud Messaging
5. Firestore

Other topics During Sessions

1. Slivers
2. Gestures
3. Themes
4. Animations
5. Responsive UI
6. Internationalization
7. Publish the app on Google Play and Apple Store



COLLABORATE, CREATE, COWORK, CODGOO.

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