

Day - 1

- - o What is Flutter?
 - o What makes Flutter unique?
 - o Features of Flutter
 - o Advantage of Flutter
 - o Disadvantages of Flutter
 - o History of Flutter
 - o Prerequisite
 - o Audience
 - o Problems
- - o System requirements for Windows
 - o Install Git
 - o Install the Flutter SDK
- - o Flutter Engine
 - o Foundation Library
 - o Widgets
 - o Design Specific Widgets
 - o Gestures
 - o State Management

Day - 2

- - o Data Type
 - o Variables and Functions
 - o Operators
 - o Decision Making and Loops
 - o Comments
 - o Continue and Break
 - o Final and Const Keyword
 - o Object-Oriented Programming
- - o Pointers
 - o Gestures
- - o What is State?
 - o Ephemeral State
 - o App State
- - o Android Studio
 - o IntelliJ Idea
 - o Visual Studio Code
 - o Emacs (Dart Mode)
 - o Codemagic
- - o Types of Widget
 - o State Management Widget
- - o Layout a widget
 - o Types of Layout Widgets
 - o Multiple Child widgets
 - o Building Complex Layout

- - o Linear Progress indicator
 - o Circular Progress Indicator
- - o SnackBar Properties
- - o How to use Tooltip in Flutter?
- - o Slider Properties
 - o Slider Terms
 - o How to use the slider widget
 - o Flutter Range Slider
 - o Flutter Image Slider
- - o Properties of Switch
 - o How to customize switch button in Flutter
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Day - 5

- Create two routes
Navigate to the second route using Navigator.push() method
Return to the first route using Navigator.pop() method
Navigation with Named Routes
- URL Launcher
Permissions
Working with contacts
Taking pictures with the camera
- Firebase Intro
Project setup
Flutter authentication
Anonymous authentication
Google authentication

Day - 6

- Firebase Storage
Firebase real time database
Firebase database set vs update
Firebase database find and findrange
- Opacity
Rotated Box
Box Decoration
Transformations
Custom Painter
Flutter
- Types of Packages
Develop a Flutter Package or Plugin
How to Publish a Package
- Splash Screen Characteristics
- Why use Google Maps with Flutter?
How to change the map appearance?
How to add a marker on the map?
Polylines
- How to use slivers?
What is CustomScrollView?
SliverAppBar
Properties of SliverAppBar
Sliver List
Sliver Grid
SliverFixedExtentList and SliverToBoxAdapter
- SQLite Database
Firebase storage and database
Firebase Storage
Firebase real time database
Firebase database set vs update
Firebase database find and find range
- Unit Testing
Widget Testing
Integration Testing
Introduction to Widget Testing