



## Dart



## Flutter

### HISTORY & INTRODUCTION

*Introduction to the history and evolution of Dart Programming Language*

### OPERATORS & BASIC OPERATIONS

*Keywords, Variables and data types in dart, Rules for variable name, Optional Variable in dart, final and const difference, Working with operators*

### FLOW OF CONTROL

*Iterative & Decision Control Statements*

### COLLECTIONS IN DART

*Working with various data-structures in dart i.e List, set, map etc.*

### FUNCTIONS

*Working with functions, Anonymous functions.*

### WORKING WITH STRINGS

*Working with in-build String functions*

### OBJECT ORIENTED

*Understanding Concept of classes, Objects, Constructor in dart, Inheritance, Mixin in dart, Abstract class, Interface, static Keyword.*

### INTRODUCTION

*Developing Apps for Android and iOS.*

### FLUTTER STATES & LAYOUTS

*Stateless Widget Class, Stateful Widget Class, Container, Row & Column, Basic List Widget, List using collections, Stack, Grid View.*

### APP BAR & TAB BAR WIDGET

*Create App Bar & designing, App Bar Leading & Actions, Tab Bar: Top & Bottom.*

### INPUT & SELECTION WIDGETS

*TextField Widget, Button Widget, Checkbox Widget, Radio Button, Slider Widget, Switch Widget.*

### DRAWER, NOTIFICATION WIDGETS & ROUTES

*Simple drawer widgets, Snack Bar, Alert Dialog, Simple Dialog, Routes.*

### WORKING WITH REST API & MAPS

*Fetching Data from Server and Creating REST API to generate JSON, Add location to your Flutter Application*

### FIREBASE

*Setup your Flutter project with Firebase, Cloud Firestore(CRUD Operations), Working with Firebase Storage, Authentication.*