Flutter

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1. Dart

-> Introduction

-> Variables

-> Operators

-> Expressions

-> Conditional Statements

-> Looping

-> Function

-> Data Structure

-> List

-> Set

-> Map

-> Iterables

-> OOPs Concepts

-> Classes

-> Constructor

-> Callable Classes

-> Exception Handling

-> Metadata

-> Async Programming

-> Libraries [String, Http Classes, Uri Class, DateTime Class]

2. Flutter

-> Introduction to Flutter – The what's and why's

-> Dart's Importance in Flutter

-> Installing Flutter plugin within VS code

-> Downloading / cloning Flutter SDK

-> Setting up Flutter

-> Structure of Flutter project

-> A simple app from scratch

-> Widget

-> Introduction

-> Widgets and their role in Flutter app.

-> The MaterialApp and Scaffold widget.

-> AppBar

-> FloatingActionButton.

-> More widgets : Text, Center & Padding

-> Adding icons to widgets

-> Hot Reload and Hot Restart, the tricks of the trade

-> Default Flutter App (UI only)

-> Containers and their Role.

-> Importing images from Network

-> Importing images from assets

-> Understanding rows and column

-> ListView and ListTile.

-> Building views using ListView.Builder.

-> InkWell and its importance.

-> Stateless and Statefull widgets – The concept

-> Stateless vs Statefull widgets.

-> Defining a 'State'

-> The setState() method

-> Returning the default Flutter App

-> Navigating through Navigation

-> Navigator and routes

-> Applying push() using MaterialPageRoute.

-> Applying pop()

-> Declaring parameter-less routes(pushNamed()) in MaterialApp

widget.

-> Handling User Input

-> Using TextField.

-> Handling Changes in a TextField

-> Pass retrieved values using Navigator

-> User Interface

-> Applying ThemeData

-> The basic screen layout

-> Applying custom font

-> Asynchronous Functions

-> The 'Future' Function

-> 'async' and 'await'

-> Working with Remote Data

-> The 'http' package

-> Model class and JSON parsing

-> Displaying Remote Data (News API)

-> Firebase

-> Firebase Login Signup

-> Firebase Notification

-> Firebase Authentication OTP

-> Real Time Database

-> SQFLite

-> Payment Integration

-> Upload Application on Play Store

3. GitHub

-> Create New Repository

-> Commit Code

-> Push Code

-> Pull Code

-> Collaborators

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4. Postman

-> Collection

-> Environment

-> Add Request

-> POST GET Metho

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