

ZERO TO HERO: JAVA + ANDROID

Syllabus

1 Java Introduction

- Java Introduction
- Java Hello World
- Java JVM, JRE and JDK
- Java Data Types
- Java Operators
- Java Input and Output
- Java Expressions & Blocks
- Java Comment

2 Java Flow Control

- Java if else
- switch Statement
- Java for Loop
- Java for-each Loop
- Java while Loop
- Java break Statement
- Java continue Statement

3 Java OOP-I

- Java Class and Objects
- Java Methods
- Java Constructor
- Java Strings

- Java Access Modifiers
- Java this keyword
- Java final keyword
- Java Recursion

4 Java OOP-II

- Java Inheritance
- Java Method Overriding
- Java super Keyword
- Abstract Class & Method
- Java Interfaces
- Java Polymorphism

5 Introduction to Android

- Introduction to the World of Android Learning
- Apps Environment and Tools used to Develop Android
- Apps Setup SDK and Emulator

6 Application Structure

- AndroidManifest.xml
- uses-permission Activity/services/receiver declarations
- Layouts & Drawable Resources
- Activities and Activity lifecycle

Project 1 - Share news Application

7 Use of different Views

- Image View
- Text View
- Edit Text
- Button
- Time and Date
- media
- Alert Dialogs
- Toast Messages

8 Views with Adapters

- List View
- Scroll View
- Recycler View

Project 2 - Music and Video Player

9 Advance Android Techniques

- Drawer
- Tabs
- Fragments
- Lifecycle of Fragments
- Bottom Navigation View

Project 3- Calorie Calculator

10 DATA PERSISTENCE

- SQL programming
- SQL Database
- CRUD operations
- Queries

Project 4- Covid Tracker

FAQ

What is this training program about?

This is an online training program in which you will learn Java Programming and Android Development both. You will be trained to write functions and develop applications.

How will the training be imparted?

The training will be delivered using LIVE classes twice a week and interactive exercises.

What is the duration of this training?

This is a 5 week training program.

Who can join? I am a beginner/advanced user, can I learn ?

This training would be better suited to beginners who have no prior knowledge of Java or Android.

Are there any prerequisites for joining this program?

This training is for absolute beginners. No prerequisites.

Will there be any project that I will get to work on?

Yes, there will be a project that you will be working on.

What hardware/software are required for doing this training?

A 64-bit operating system (with a working internet connection) having a minimum of 2 GB of RAM is required.

Will I be able to download the training content?

Yes, you can.

Can the material be used by a group of students?

No. These training programs are meant for individual users. Multiple users will not be allowed.

If you have any queries or any doubts regarding the training, please write to us at rapidcodeindia@gmail.com