

MindOrks Android Online Beginners Course - Syllabus

Course Link: <https://bootcamp.mindorks.com/android-training-for-beginners>

- **Introduction & Prerequisite for this course**
 - Introduction to course
 - Prerequisite
- **Installing Android Studio IDE and Getting Started with Android**
 - What is Android and How it works?
 - Install Android Studio
 - Create Project - TodoNotesApp
 - Project Structure - TodoNotesApp
- **Login Design and Implementation**
 - What is Activity? [Concept]
 - Login Screen UI Design
 - What is View and how it works? [Concept]
 - What is an Intent? [Concept]
 - Intent put extra [Concept]
 - Login Screen Click Handle
 - Login Screen Condition Check
 - Dialog Implementation
 - How to persist data? [Concept]
 - Shared Preferences
- **RecyclerView and Implementation**
 - Dynamic View and RecyclerView [Concept]
 - Intro to RecyclerView, Model, and Collection
 - All about Adapters in RecyclerView
 - Click listeners and interfaces in RecyclerView
- **Getting Started with Kotlin**
 - Kotlin and how to learn it? [Concept]
 - From Java to Kotlin [Reference]
 - Basics of Kotlin, and how to refactor the code from Java to Kotlin
 - Refactor Continued from Java to Kotlin
- **Singleton, Process and Thread**
 - What happens when you launch an app? [Concept]
 - Singleton [Concept]
 - Threading [Concept]
- **Database Implementation**
 - What is Database? SharedPreference vs Database [Concept]
 - Implementing Room Database
 - Room Database Continued
- **Permissions and Image Loading**

- Implementing Permissions and Using Glide
 - Permission continued
- **Work Manager**
 - Work Manager Introduction and Implementation
- **Notification**
 - Firebase setup and Implementation of Notification FCM
 - Notification Channel
- **Networking**
 - Json, Api Response, Menu, Android Networking
 - Integrating Android Networking
- **ViewPager and Fragment**
 - OnBoarding Using ViewPager, PagerAdapter and Fragment
 - OnBoarding Continued
- **Debugging and APK Release**
 - Debugging
 - APK Release
- **Essentials**
 - What is Context? [Concept]
 - Object Oriented Programming - OOP [Concept]
 - Class Design and Structure: Shared Preferences Refactor
 - Bugs and Crash Fixes
 - File System, Read, Write, Assets read write
 - What is Intent and Intent Filter? [Concept]
 - ConstraintLayout in Android
 - Canvas API in Android [Concept]
 - Custom View [Concept]
 - Resources - Final Project

Demo Video Link:

https://www.youtube.com/playlist?list=PL6nth5sRD25hfcDrf9aQ_XVocCjIZh7Vy