

ANDROID COURSE JAVA & KOTLIN

Eng : Ahmed El-Nakib

Content (Java & Kotlin)

- java basics
- java OOP (Class's , Object's , inheritane , override , overload , polymorphism , exception , interface , encapsulation , abstraction , collections)
- Kotlin basics
- Kotlin OOP (Class's , Object's , inheritane , override , overload , exception , interface , encapsulation , abstraction , collections)
- Parallel Programming

Android Content

- introduction to Android Studio IDE , SDK , JVM
- introduction to Android Studio files (Mainfest , Gradle , SDK versions , libraries , Plugins)
- XML Design ([Material Design By Google](#))
- XML (All layout's , Fragment's , Navigation's)
- Intent's
- SQLite Database , ROOM DB
- custom listView , recyclerView
- Small Project

Android Content (External Database)

- MySql phpMyAdmin Database
- php basice , Networking Methods
- php (insert , update , delete , search)
- JSON
- Volley , Retrofit Library
- working with Networking (insert , update , delete , search)
- Small Project


Android Content [Firebase](#)

- Authentication's
- Realtime database
- Storage
- FCM
- Glide , Picasso , Fresco with Adapter's
- Create Chat App ([Firebase Udacity Google](#))
- Small Project

Android Content **Maps By Google**

- introduction with google maps
- working with google cloud platform
- API Key's
- working with different type's of maps
- ConnectionCallbacks
- Location Servies
- different type's of permission's
- Geocoder
- Small Project with **Maps and Firebase**

Android Content

- Service's
 - Broadcast Receiver
 - AsyncTask (Thread)
 - Wifi - Bluetooth
 - Notifications
 - Page Slider
 - Alert Dialog
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- A decorative graphic on the right side of the slide, consisting of several overlapping, curved, wavy shapes in shades of light blue, yellow, and a darker blue at the bottom right corner.

Android Content Libraries

- Butter Knife
- working and download libraries with ([Android Arsenal By Google](#))
- working and download libraries with ([Mobile Vision By Google](#))
- OCR - Face Recognize - Barcode
- Making chatbot using IBM Watson Assistant
- Google Admob and Publish on Google Play

Good Project

Most Important Link's With All Course

- Android Developer's (<https://developer.android.com>)
- Github (<https://github.com>)
- StackOverFlow (<https://stackoverflow.com>)
- Mobile Vision (<https://developers.google.com/vision>)
- Android Arsenal (<https://android-arsenal.com>)