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## **Android Day wise Curriculum**

- **Day 1** : General Discussion & Installation of **JDK &** Exploring other IDEs.
- **Day 2** : Java fundamentals discussion & Programing basics like, variable, if-else, loop etc.
- **Day 3** : Implementation of loops & some basic logic building programs.
- **Day 4** : Implementation of Array & Oops concept in Java.
- **Day 5** : Advance Concept of Java like Inheritance ,Polymorphism and Abstraction .
- **Day 6** :Java Test .
- **Day 7** : Introduction to Android ,Install Android Studio ,Configure AVD ,Explore File Structure, & Run your first Android App.
- **Day 8** : Understand layout and Clear all the component of xml like button,text,imageview...etc..

- **Day 9** : Create our **Currency Converter** app  
(Design our currency converter app)
- **Day 10** : Finish Our Currency Converter App  
& Give Assignment
- **Day 11** : Create **Dice Roller** app (work on  
Designing part).
- **Day 12** : Finish **Dice Roller** App (Work on  
logic Part)
- **Day 13** : Create **Tic Tac Toe** app in  
flutter(Work on logic part)
- **Day 14** : Finish **Tic Tac Toe** app in flutter(Grid  
View ,Designing part of tic tac toe)
- **Day 15** : Create **Spannish Audio Number**  
App in Android (Discuss about Media Player  
class in Android & Audio helper class in flutter)
- **Day 16** : Create **Drum Pad app** (how to work  
with soundpool in Android )
- **Day 17** :Create Our **Truth & Dare Game** and  
learn new concepts like Animation , pass value  
to the next screen
- **Day 18** :Create Our **Camera App** and learn  
How to capture image in android , Open  
Gallery from our app.

- **Day 19** :Create Our **Flashlight App** and learn How to take permission in android .
- **Day 20** :Recycler View and Card View Introduction ,Learn How to create model class .
- **Day 21** :Learn How to Create Adapter ,custom layout file and connect adapter to recycler view.(Create a simple app with recycler view)
- **Day 22** :Introduction to **SQLite** .Create a **contact app** with sqlite .
- **Day 23** :Create Database helper class and create table in sqlite .learn how to insert ,delete,update data in sqlite.
- **Day 24** : Create UI of **contact app** (create Recycler view).
- **Day 25** :Finally Finish our **contact app** (Adding method of insert,delete,update).
- **Day 26** : Introduction to **Firebase** for Android.Add dependencies of firebase in gradle file. Create login and signup page.
- **Day 27** : Learn how to **authenticate** with firebase in flutter ,& try to implement **social authentication** in our app.

- **Day 28** : Now we move to database part of firebase (Discuss about CRUD) & Create **TO-DO** app with firebase database.
- **Day 29** : Design our **TO-DO** App and write method for insert,delete data into firebase
- **Day 30** : Finish Our Online **TO-DO manager** app with firebase database.
- **Day 31** : Create our **Notice Board** App With firestore.
- **Day 32** : Introduction to **API** in Android and Design our **Github app** .
- **Day 33** : Introduction to Volley and picasso Making web Request with API and Understand the API responses.
- **Day 34** : Create a weather forecast app with the help of API .
- **Day 35** : Implement **Payment Gateway** in our Android app.
- **Day 36** : Create Our **News App** (Design news App with bottom Navigation bar) .
- **Day 37** : Get JSON data from API and parse json into our app . finish our **news app**

- **Day 38** : Create an app with MySql Database .(send and fetch data from mysql database)
- **Day 39** : Create **Instagram** App. Build some page of **instagram** app.
- **Day 40** : Finish Profile Section of **Instagram** clone app & Design Feed Page of **Instagram** app. & Finish our **instagram** app.
- **Day 41** : Create QR Code Scanner app with Firebase ML Kit.
- **Day 42** : Create Text & Face Detection App with Firebase ML Kit.
- **Day 43** : Create Image Labelling App with Firebase ML Kit & Integrate **Admob** in our app.
- **Day 44** : Learn How to Upload Your first Android app on **playstore**.
- **Day 45** : Final Test.

**Note : We cover way more content than it is mentioned in this document considering the passion and performance of students in extra time.**