Android Network Operations

**MOBILE**

**Server**

**Service APIs**

**URLs**

**URLs**

1. HTTP Client: Older version
2. HTTP URL Connection: Crud version
3. Ok HTTP: Better than second, but still crud (Read by own)
4. Retrofit (Read by own) (It is faster than Volley)
5. Volley

# HTTP URL Connection

Read data from URL using HTTP URL Connect with Gson

We will be reading the posts data from the open API

<https://jsonplaceholder.typicode.com/posts>

Add Gson to Android project

Gson is a Java/Kotlin library for converting JSON strings to an equivalent Java/Kotlin object. Open build.gradle file and add Gson library.



Add Internet Request in Manifest file



Code



Method to get json data from source url



Method to convert json string data into list object



Testing of above methods with data class Post



UI code



## Download image using Http URL Connection

Must execute this code in another thread



# Volley

Add the following dependency in the file “build.gradle”



Use following code to get the data from source link

