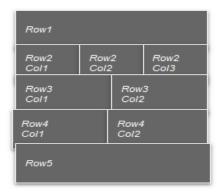
# Lab 5: Android TableLayout

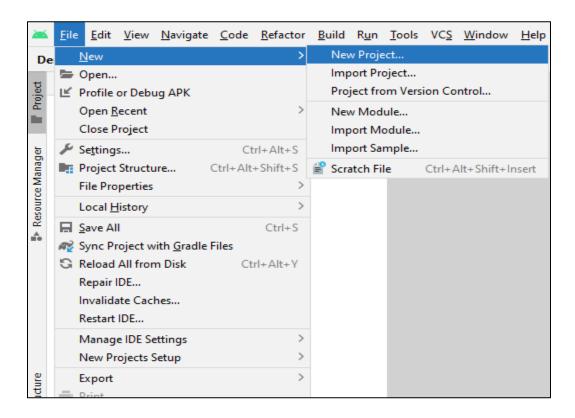
## Introduction

In Table layout views are groups in rows and columns. <TableRow> is used to add a row in this layout Each view is placed in a cell.

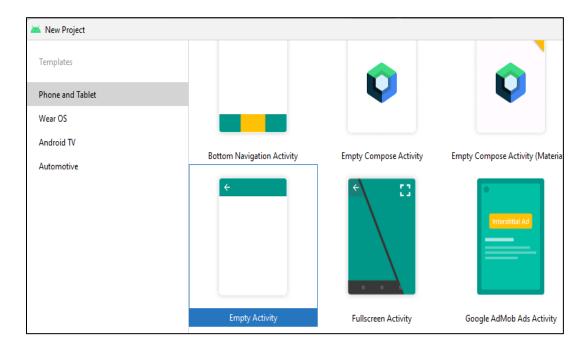


# Let's get Started

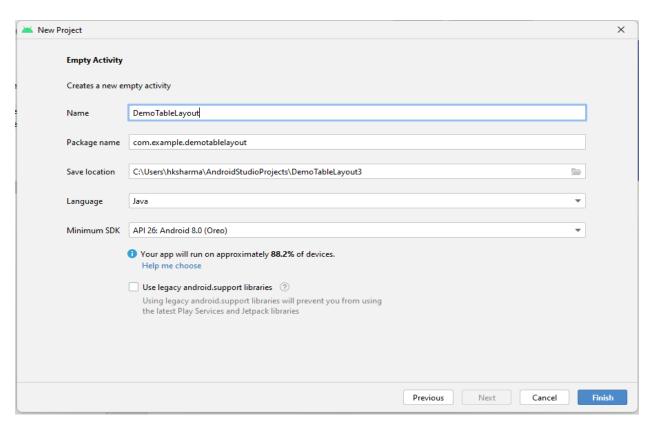
You will be guided through easy stages in this exercise to design your own Android application utilising a table structure. **Step 1: Create a New Project in Android Studio as shown below** 



### Step 2: Select Empty Activity as shown below



Step 3: Provide a Project Name as shown below



#### Step 4: Update MainActivity.java as per the code given below

```
package com.example.demotablelayout;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class MainActivity extends AppCompatActivity {

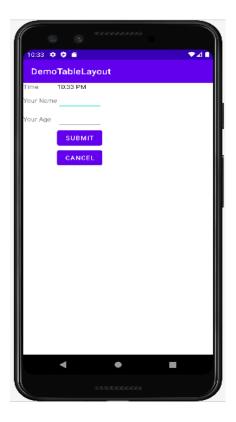
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

#### Step 5: Update activity\_main.xml as per the code given below

```
<?xml version="1.0" encoding="utf-8"?>
<TableLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout width="fill parent"
    android:layout height="fill parent">
    <TableRow
        android:layout width="fill parent"
        android:layout height="fill parent">
        <TextView
            android:text="Time"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:layout column="1" />
        <TextClock
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:id="@+id/textClock"
            android:layout column="2" />
    </TableRow>
    <TableRow>
        <TextView
            android:text="Your Name"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:layout column="1" />
        <EditText
            android:width="200px"
            android:layout width="wrap content"
```

```
android:layout height="wrap content" />
    </TableRow>
    <TableRow>
        <TextView
            android:text="Your Age"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:layout column="1" />
        <EditText
            android:width="100px"
            android:layout width="wrap content"
            android:layout height="wrap content" />
    </TableRow>
    <TableRow
        android:layout width="fill parent"
        android:layout height="fill parent">
        <Button
            android:layout width="wrap content"
            android:layout height="wrap content"
            android: text="Submit"
            android:id="@+id/button"
            android:layout column="2" />
    </TableRow>
    < Table Row
        android:layout width="fill parent"
        android:layout height="fill parent"/>
    <TableRow
        android:layout width="fill parent"
        android:layout height="fill parent">
        <Button
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:text="Cancel"
            android:id="@+id/button"
            android:layout column="2" />
    </TableRow>
</TableLayout>
```

Step 6: Check Output on Android Emulator and it should look like as given below



Voila!! We have successfully completed this lab.