

# Lab 5: Android TableLayout

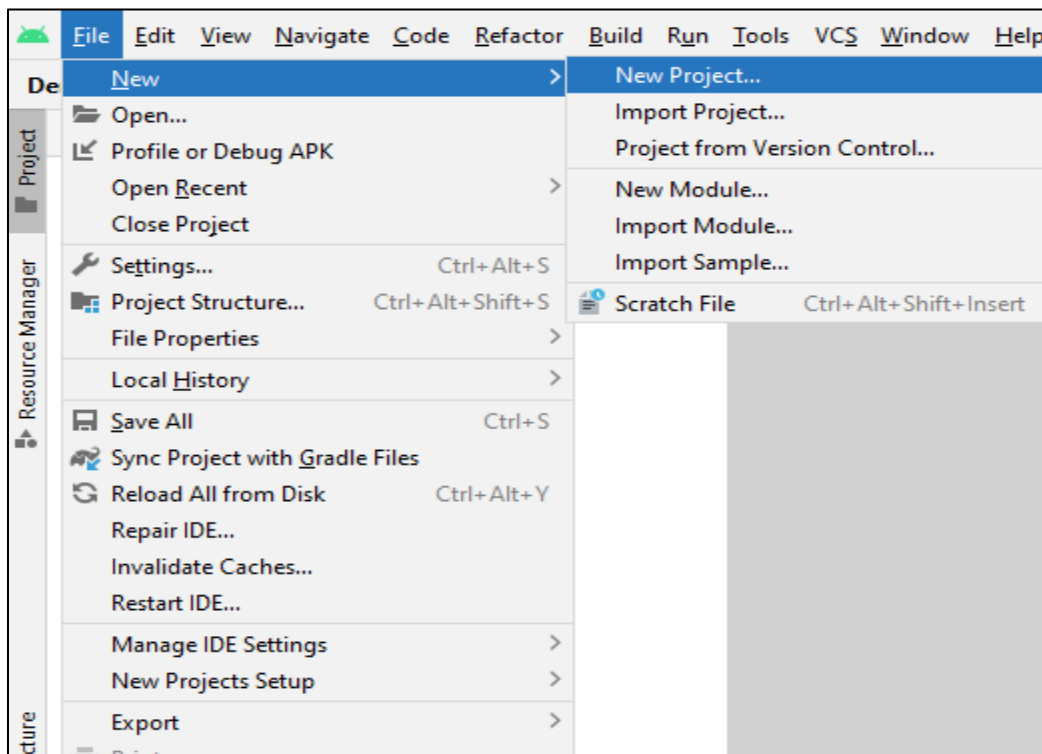
## Introduction

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.

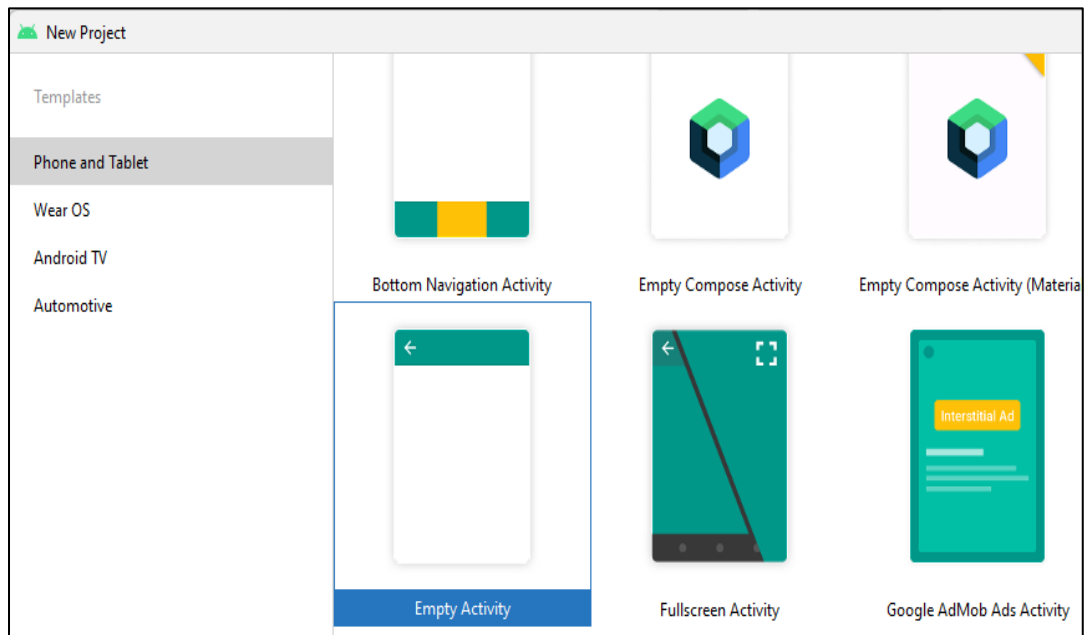
Row1		
Row2 Col1	Row2 Col2	Row2 Col3
Row3 Col1		Row3 Col2
Row4 Col1		Row4 Col2
Row5		

## Let's get Started

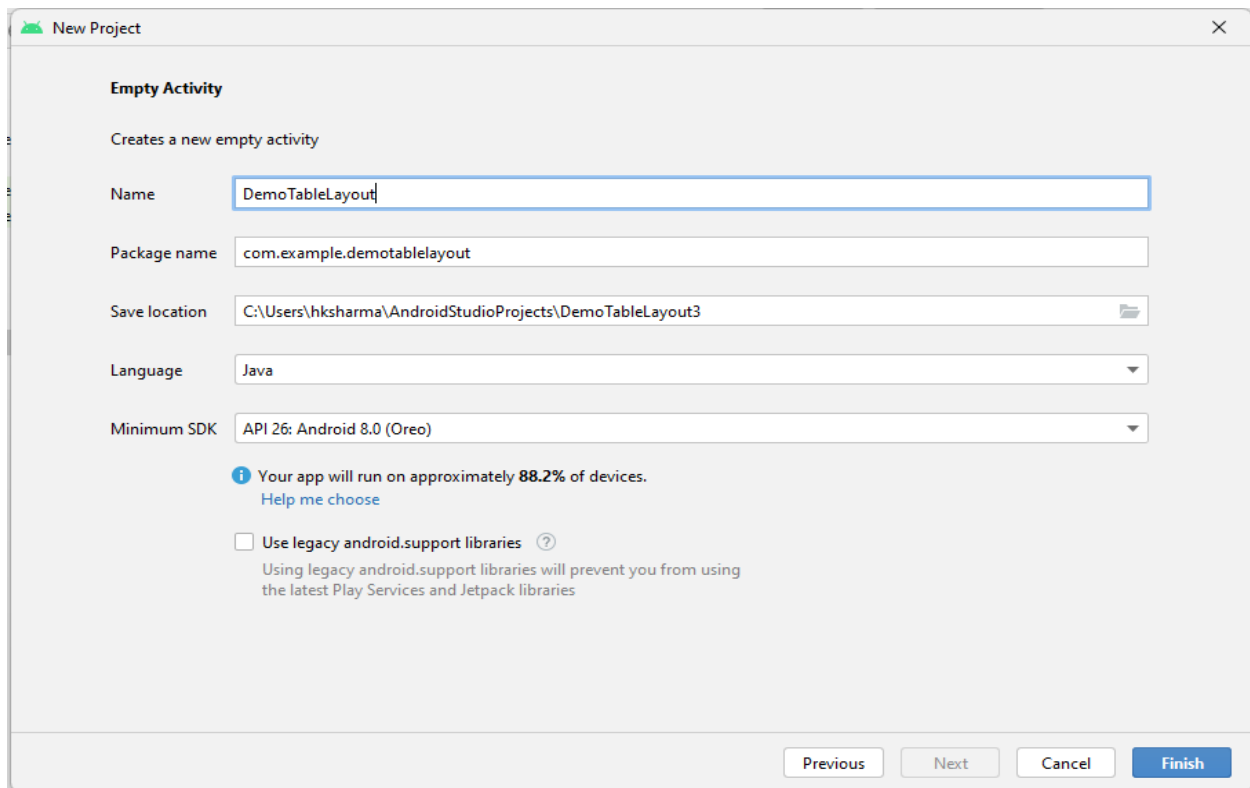
You will be guided through easy stages in this exercise to design your own Android application utilising a table structure. **Step 1: Create a New Project in Android Studio as shown below**



## 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>

<TableRow
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"/>

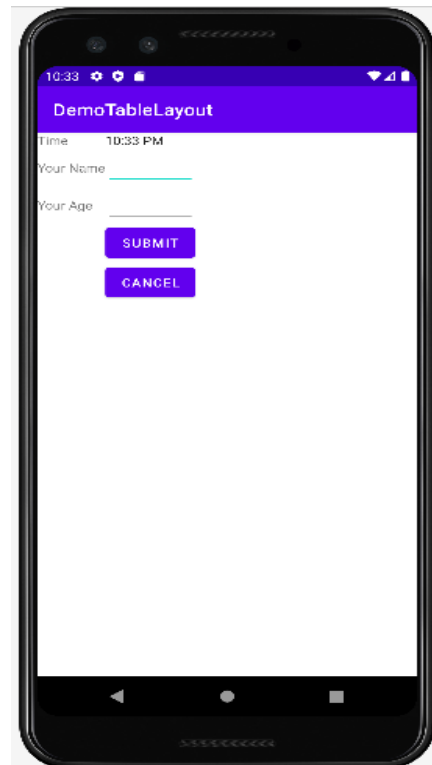
<TableRow
    android:layout_width="fill_parent"
    android:layout_height="fill_parent">

    <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.