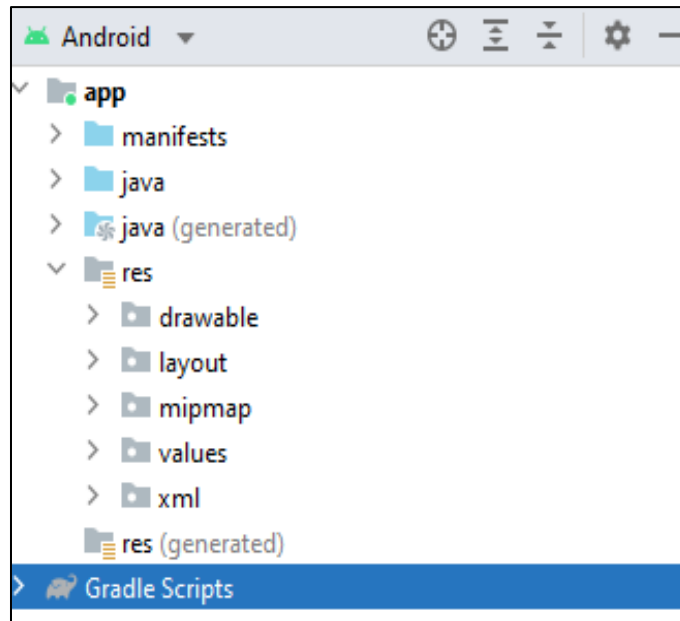


Lab 2: Hello World Application

Introduction

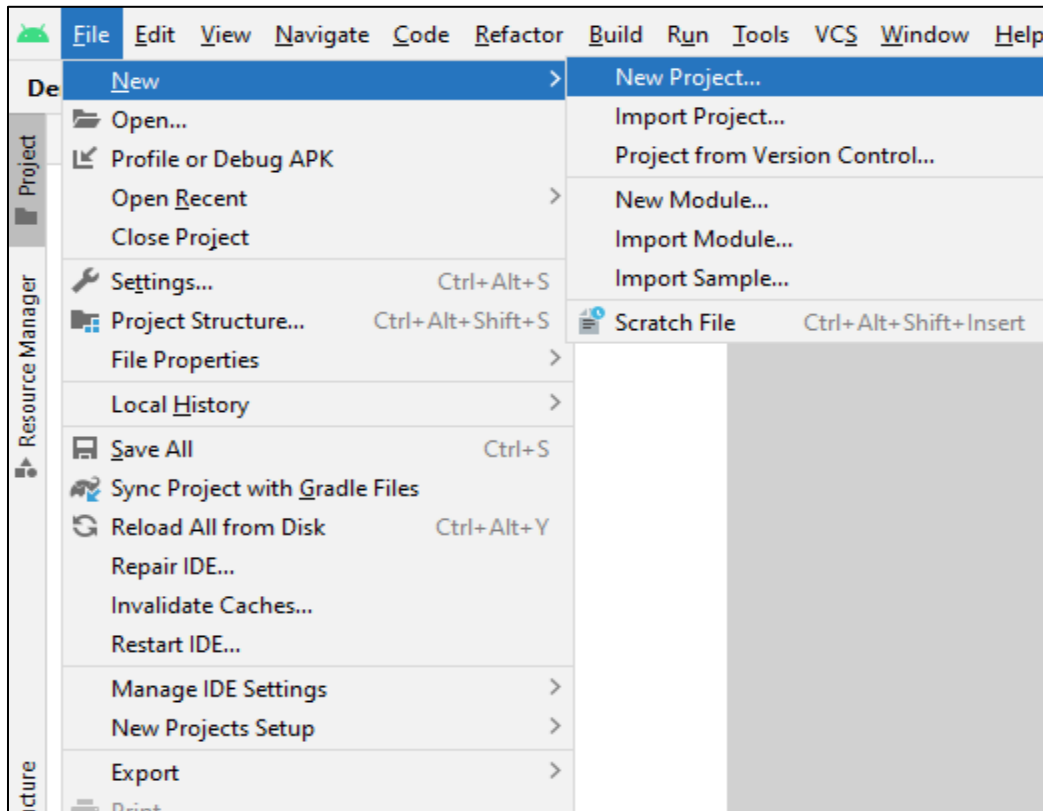
In this Exercise, we will create a straightforward programme that prints a straightforward string of text called "Hello World" on the screen.

This exercise's goal is to familiarise participants with the Android studio environment.

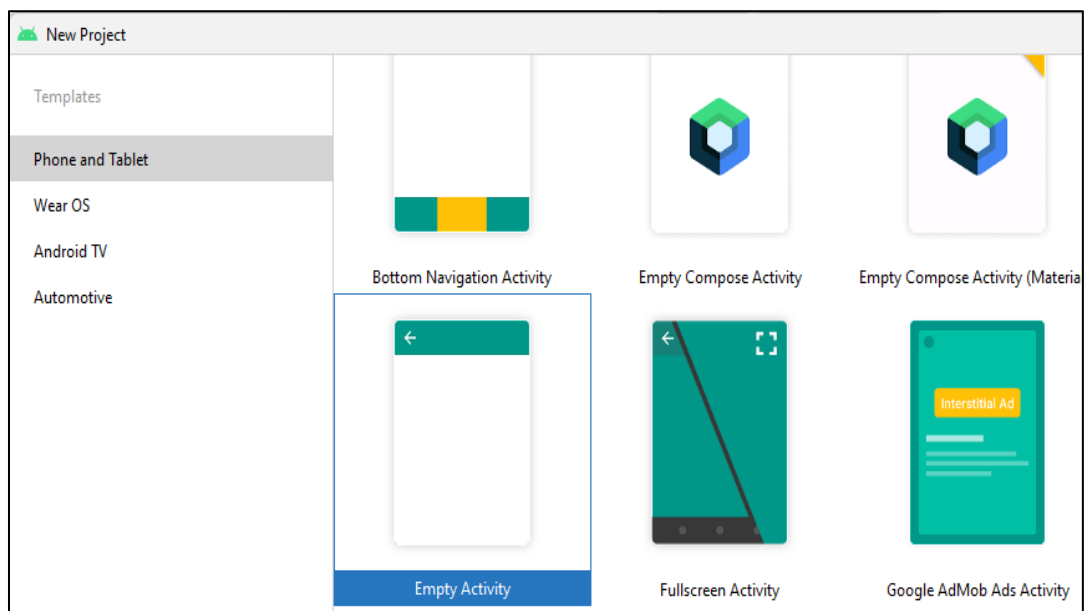


Let's get Started

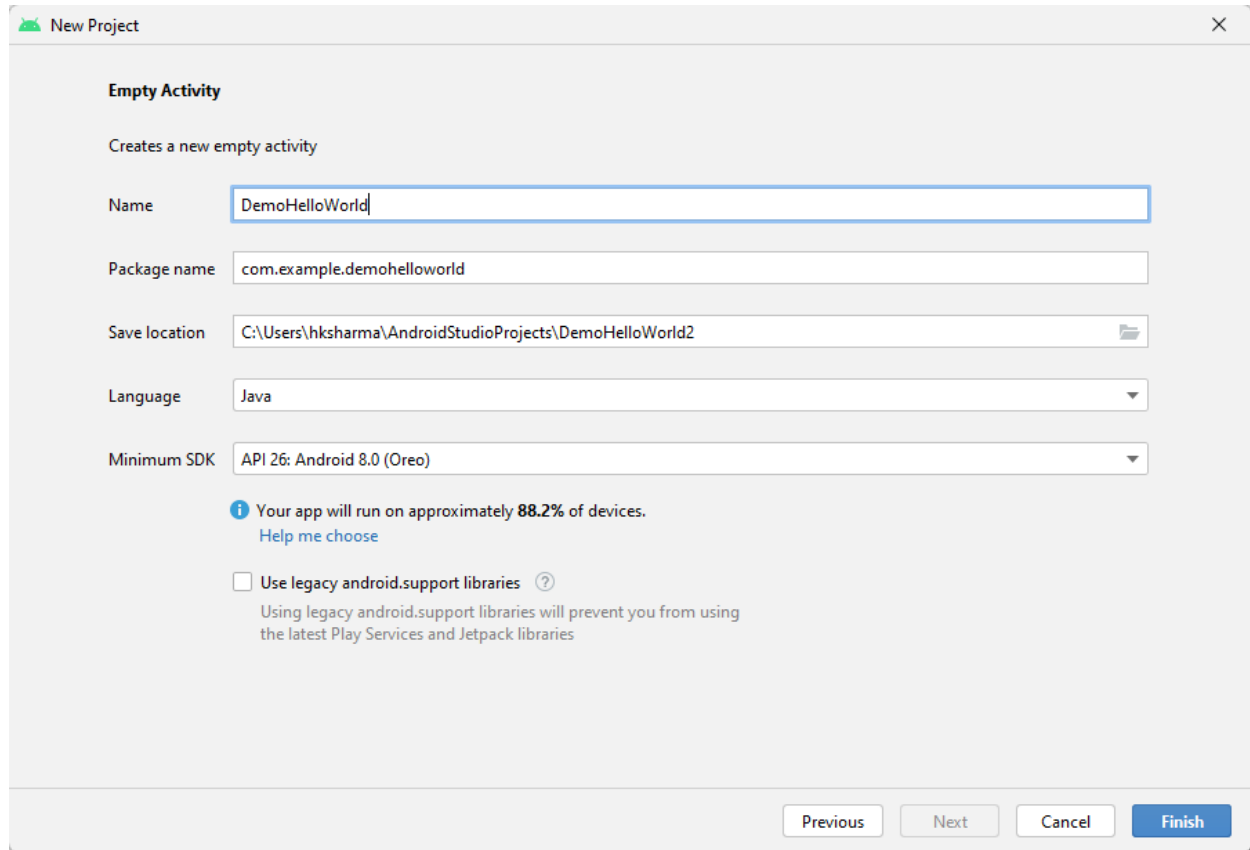
Step 1: Create a New Project in Android Studio as shown below



Step 2: Select Empty Activity as shown below



Step 3: Provide a Project Name as shown below



New Project

Empty Activity

Creates a new empty activity

Name:

Package name:

Save location:

Language:

Minimum SDK:

i Your app will run on approximately **88.2%** of devices.
[Help me choose](#)

☐ Use legacy android.support libraries *?*
Using legacy android.support libraries will prevent you from using the latest Play Services and Jetpack libraries

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

```
package com.example.demohelloworld;

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 for Vertical Orientation as per the code given below

```
<?xml version="1.0" encoding="utf-8" ?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

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



Voila!! We have successfully completed this lab.