

Experiment 1.2

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Branch: CSE

Semester: 6th Sem

Subject Name: MAD-Lab

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Date of Performance: 24/01/24

Subject Code: 21CSH-355

Aim:

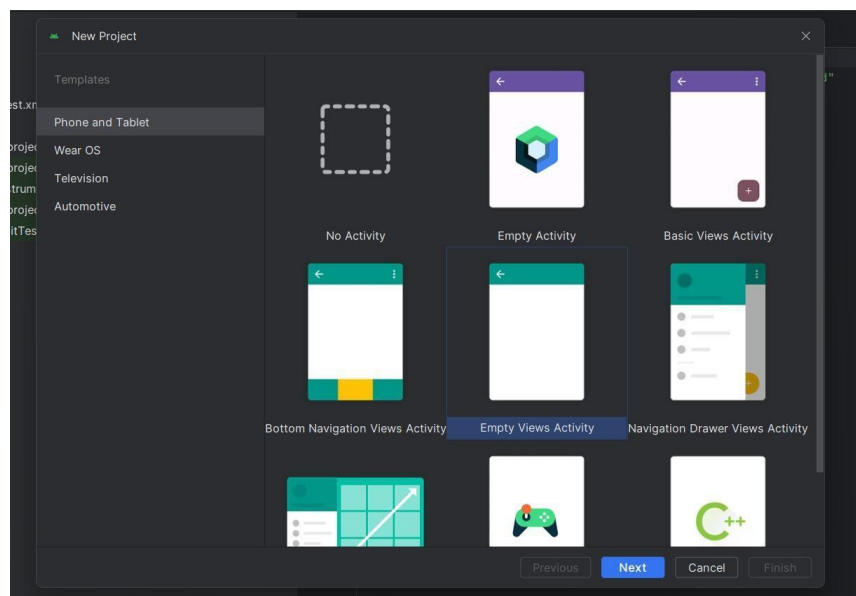
Create an application to display Hello World

Objective:

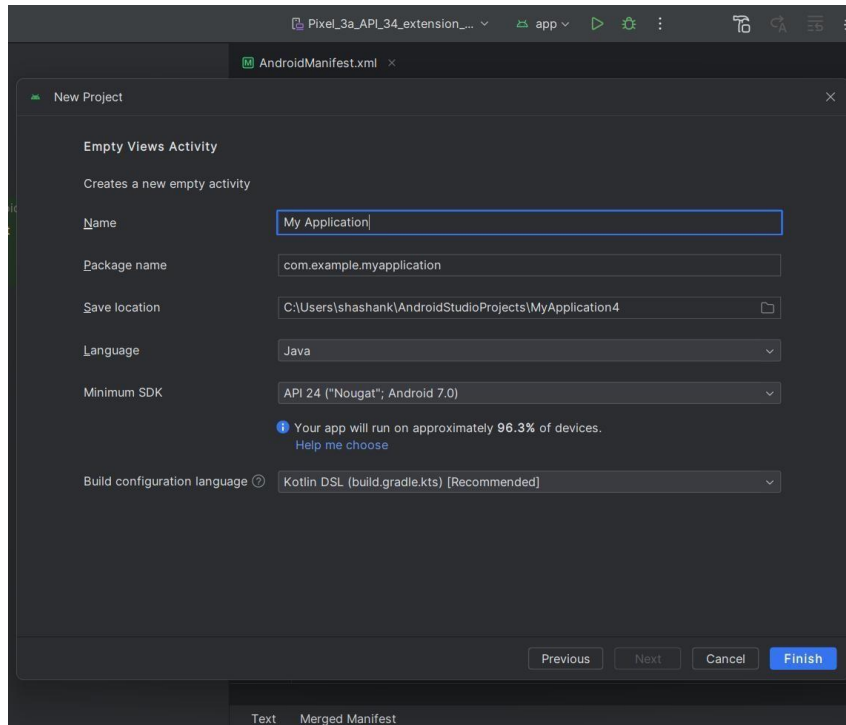
Setting up Android Studio and configuring a basic Android project. Compiling and running a simple Android application on an emulator or a physical device.

Procedure:

- 1) Open Android Studio and click on new project
- 2) Select empty views activity from the list of activity.

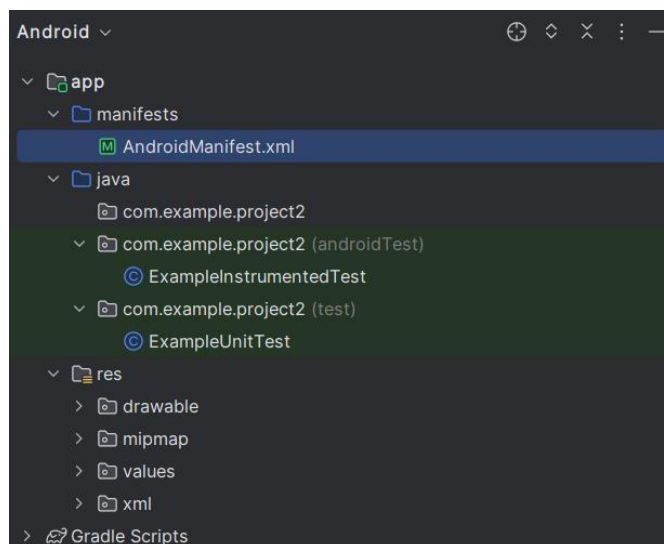


3) Write the name for your application and click on finish.



4) Wait for all the extensions for your app to install.

5) A window with all the necessary files will be loaded on the screen.



6) Open the Layout file from the list of files

```
<?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">

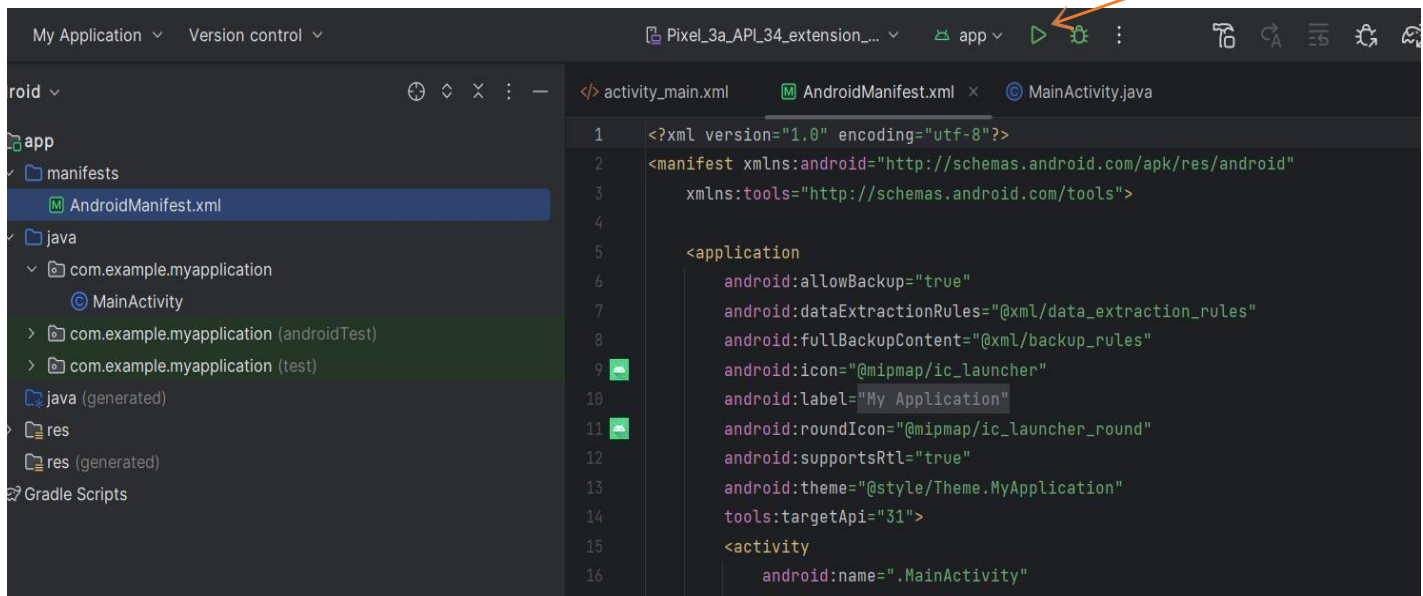
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
     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

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

7) Write the desired text that you want to print.

8) If you want to run this app on your device then open developer options in your device.

9) Run the application on your mobile device, by clicking on this play button.



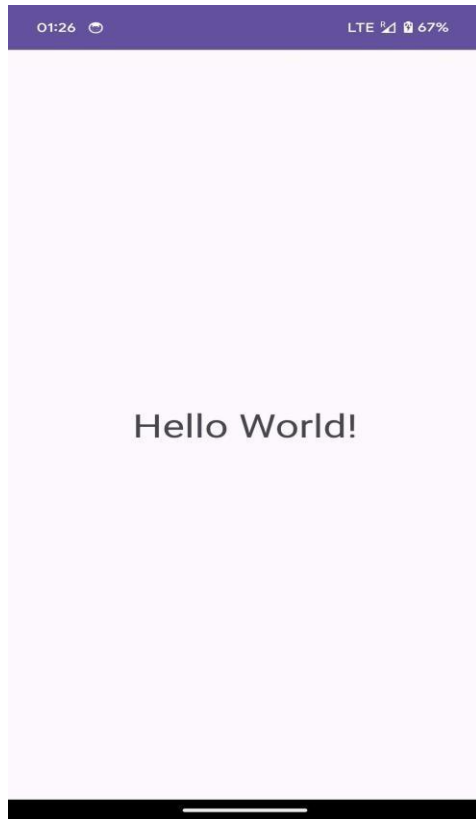
```
1 <?xml version="1.0" encoding="utf-8"?>
2 <manifest xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:tools="http://schemas.android.com/tools">
4
5     <application
6         android:allowBackup="true"
7         android:dataExtractionRules="@xml/data_extraction_rules"
8         android:fullBackupContent="@xml/backup_rules"
9         android:icon="@mipmap/ic_launcher"
10        android:label="@string/app_name"
11        android:roundIcon="@mipmap/ic_launcher_round"
12        android:supportRtl="true"
13        android:theme="@style/Theme.MyApplication"
14        tools:targetApi="31">
15
16        <activity
17            android:name=".MainActivity"
18            android:exported="true">
```



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OUTPUT:



Learning Outcomes :

- a) Learned how to write a program in Android Studio
- b) Learned how to connect your device and get the output on your device.
- c) Learned about different activity in Android Studio.