Experiment1.2

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1. Aim:

To design an android application to display Hello World

2. Objective:

Android Studio is the official IDE (Integrated Development Environment) for Android app development and it is based on JetBrains' IntelliJ IDEA software.

System Requirements:

- Microsoft Windows 7/8/10 (32-bit or 64-bit)
- 4 GB RAM minimum, 8 GB RAM recommended (plus 1 GB for the Android Emulator)
- 2 GB of available disk space minimum, 4 GB recommended (500 MB for IDE plus 1.5 GB for Android SDK and emulator system image)
- 1280 x 800 minimum screen resolution

3. Steps:

1. First step is to create a simple Android Application using Android studio.

2. You can start your application development by calling start a new androidstudio project. in a new installation frame should ask Application name, package information and location of the project.

3. Configure the Hello World Project Details We'll finish creating the project byconfiguring some details about its name, location, and the API version it

4. Change the name of the application. Change the default **Project location** to your preferred directory or just leave it as the default location.

5. The next level of installation should contain selecting the activity to mobile,it specifies the default layout for Applications.

6. Code the java and xml files as below.

7. Run the app on emulator or a physical device.

CODE:

Mainactivity.java

package com.example.helloworldapplication;

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);

}

}

The Layout File

```
<RelativeLayoutxmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"    android:layout_width="match_parent"
android:layout_height="match_parent" >
```
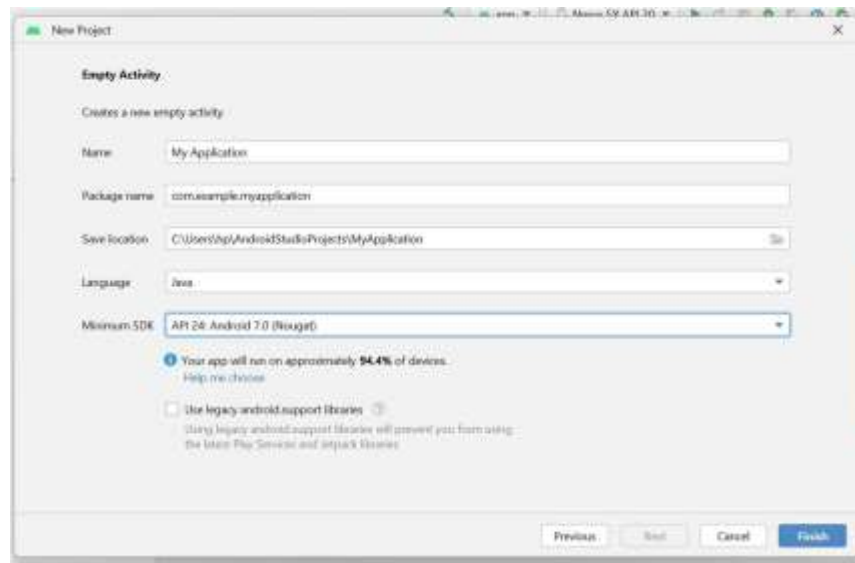
```xml
<TextViewandroid:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_centerHorizontal="true" android:layout_centerVertical="true"
android:padding="@dimen/padding_medium" android:text="@string/hello_world"
tools:context=".MainActivity" />
```
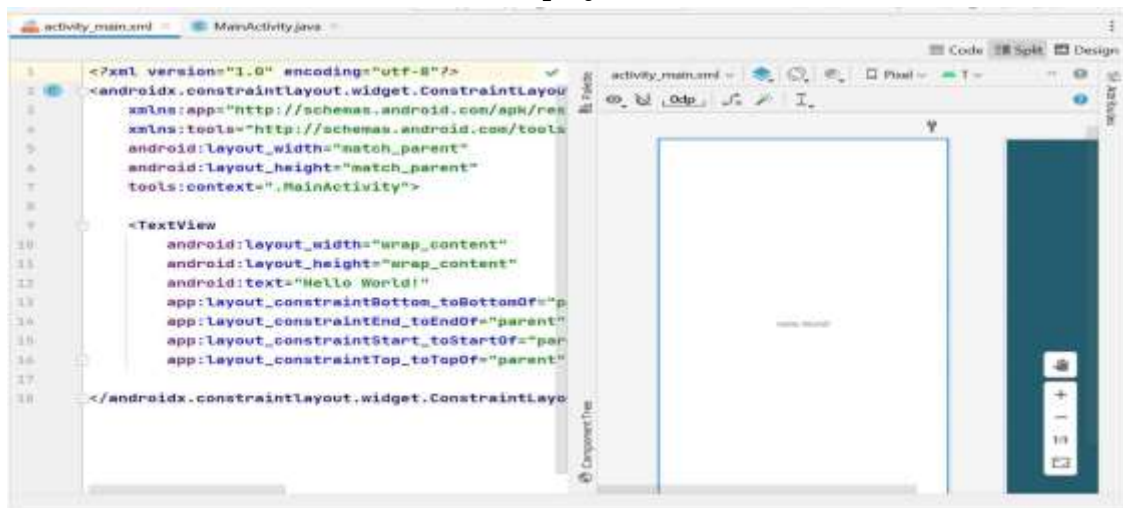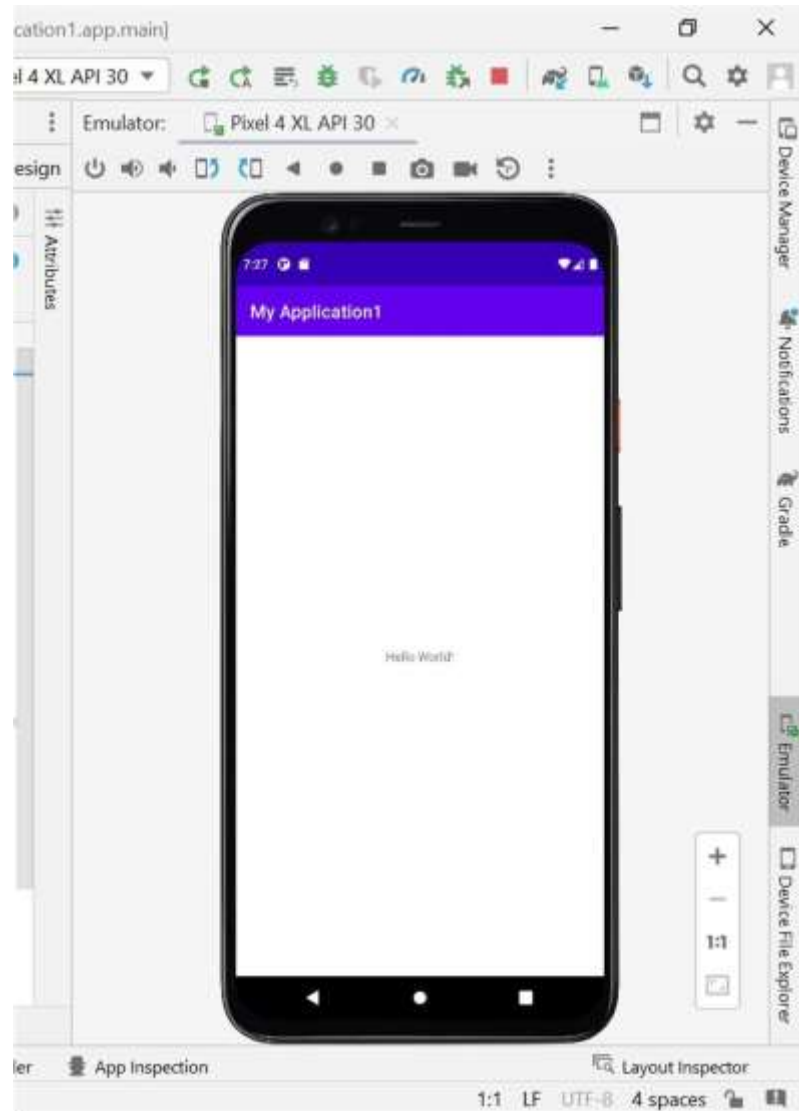
OUTPUT

Create new project

Codethe design

Output is shown on emulator