



## Experiment - 1.2

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**Subject Name:** MAD Lab

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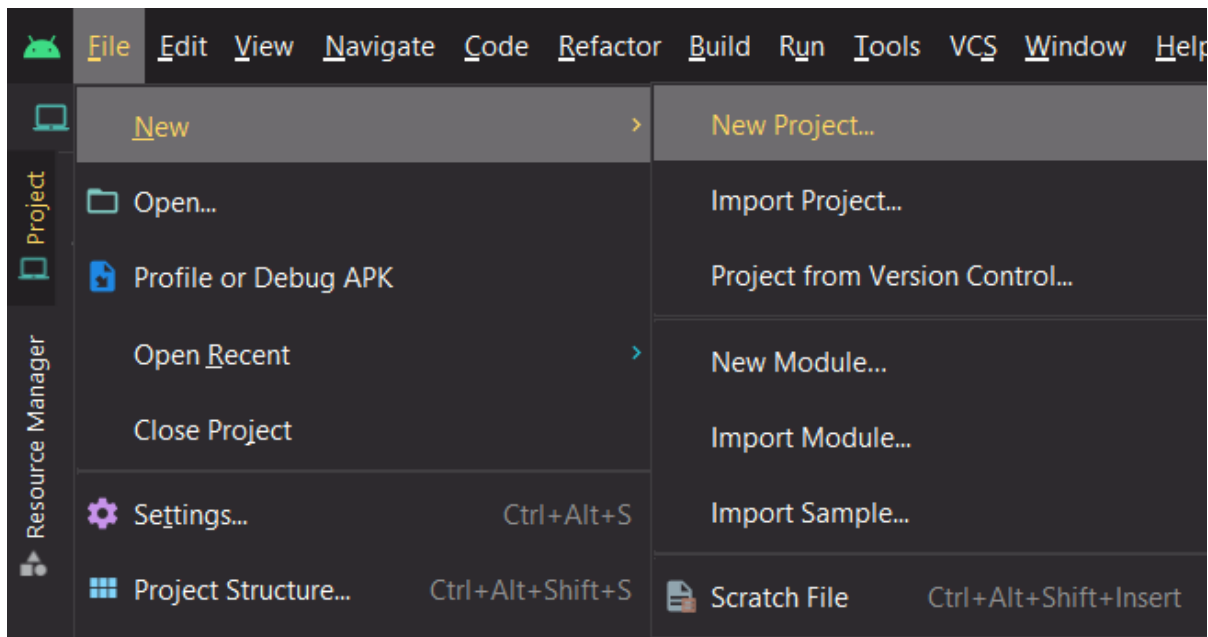
**Aim:** To design an android application to display Hello World.

### Software Required:

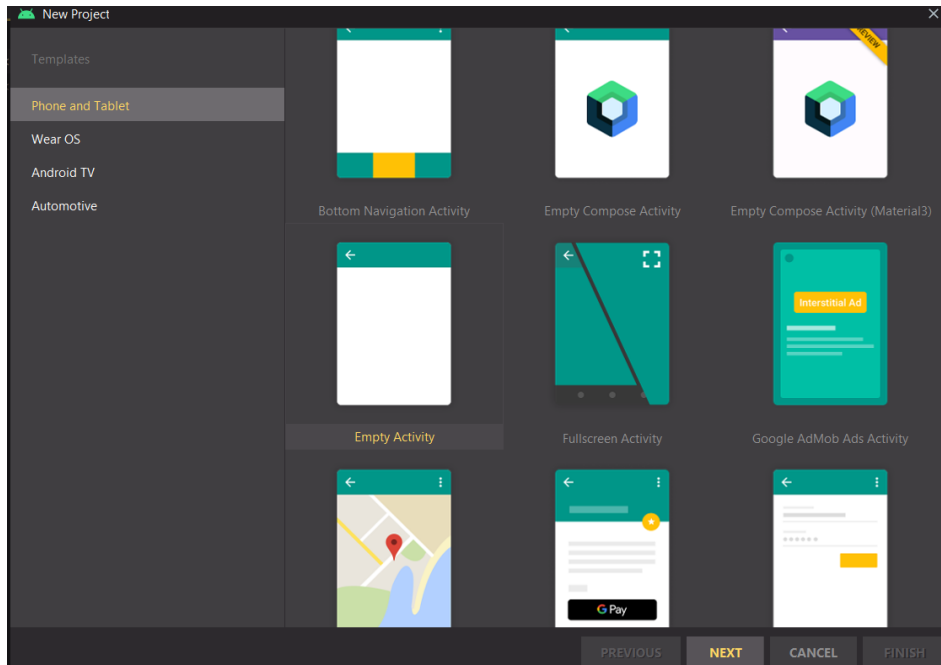
Android Studio (latest version).  
Android Emulator or Android device.  
Computer or Laptop with internet connectivity.

### Procedure:

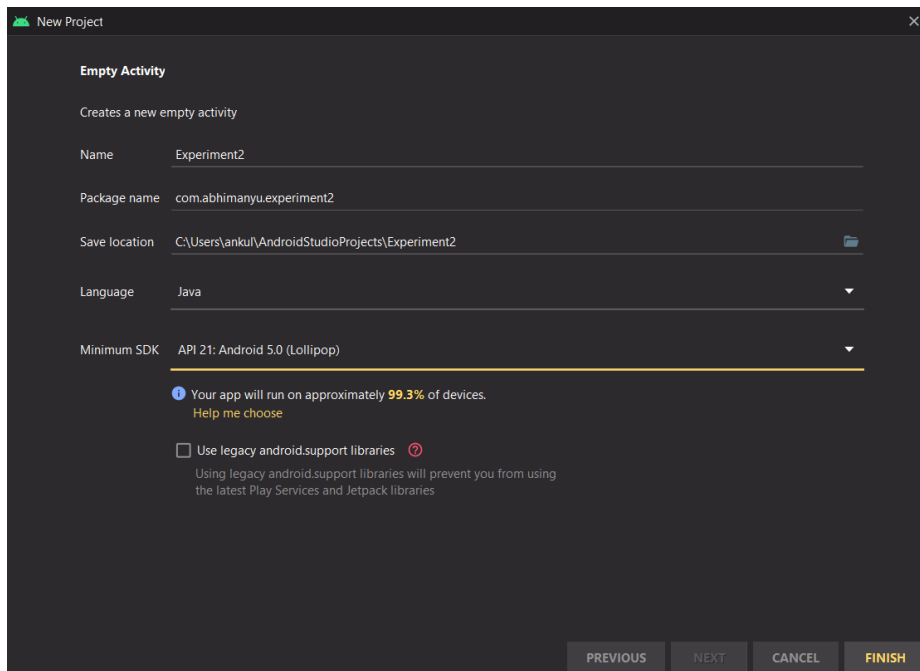
1. Open Android Studio and create a new project.



2. Select "Empty Activity" as the project template and click "Next".



3. Provide a name for the application, and select a project location.



4. Choose the language as Java, and the minimum SDK as per your preference.
5. Click on "Finish" to create the project.
6. Open the "activity\_main.xml" file in the "res" folder, and add a "TextView" element.
7. Set the "TextView" properties such as "text", "font size", "color", etc. as per your preference.



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8. Save the changes made to the "activity\_main.xml" file.
9. Open the "MainActivity.java" file in the "java" folder, and add the following code to the "onCreate" method:
10. Save the changes made to the "MainActivity.java" file.

## ❖ MainActivity.java

```
package com.sandeep.experiment2;

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);
    }
}
```

## ❖ activity\_main.xml

```
<?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="178dp"
        android:layout_height="60dp"
        android:text="Hello World!"
        android:textSize="30sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

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

11. Run the application either on an Android emulator or an Android device connected to your computer.
12. The application should display "Hello World" on the screen.

## Result:

