MOBIL APP DEVELOPMENET LAB

WEEK 2: Create "Say Hello" App

Objective:
Create Mobile App and Implement Button Click Event

PROCEDURE:
Step 1: Open Android Studio
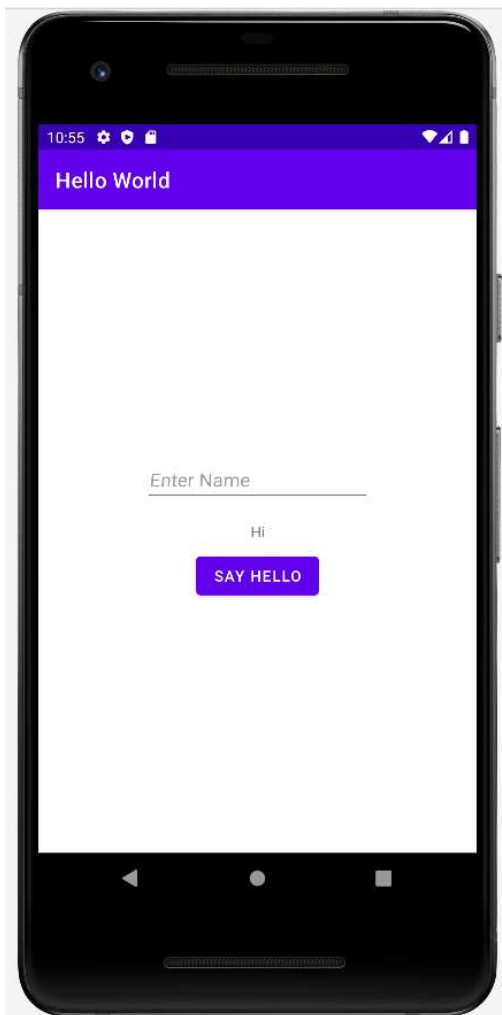**Step 2:** In the main Welcome to Android Studio window, click **New Project**
Step 3: choose Empty Activity
Step 4: Enter Project Details
Step 5: Write the Code to implement Button Click Event
Step 6: Use Android Virtual Device (Emulator)
Step 8: Run the App on the Virtual Device

Phase 1: Create Hello World App

Procedure:

Step 1: Open Android Studio

Step 2: In the main Welcome to Android Studio window, click **New Project**

Step 3: choose Empty Activity

Step 4: Enter Project Details

Enter Name (Demo1) → Accept Default Package Name → Choose Save Location → Select Language → Select Minimum SDK (API 24: Android 7.0 – Nougat) → Click Finish Button

Step 5: Design UI

Open activity_main.xml → Select Design View → Add Widgets - EditText, TextView and Button

Step 6: Add Attribute Data

Widget	id	Other Attributes
EditText	editTextName	id="@+id/editTextName" hint="Enter Name" inputType="text"
TextView	textViewName	**id="@+id/textViewName"** **text="Hi"**
Button	btnSubmit	id="@+id/btnSubmit" layout_marginTop="8dp" onClick="SayHello" text="Say Hello"

Step 7: Open MainActivity.java and write Code

```java
package com.example.helloworld;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

import android.view.View;
import android.widget.TextView;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {
    TextView textViewName;
    EditText editTextName;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void SayHello(View view) {
        editTextName = findViewById(R.id.editTextName); //EditText
        textViewName = findViewById(R.id.textViewName); //TextView

        textViewName.setText(editTextName.getText());
    }

}
```