Project 1\simpleFormApp.txt

``Project 1 : Simple Form App``

1. activity_main.xml :

```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:id="@+id/userText"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    tools:layout_editor_absoluteX="0dp"
    tools:layout_editor_absoluteY="35dp">

    <EditText
        android:id="@+id/editText_name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="text"
        android:text=""
        android:textColorLink="#9924AD"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.428"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.286" />

    <Button
        android:id="@+id/buttonSubmit"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="click_me"
        android:text="Submit"
        android:textColor="#FFFFFF"
        android:textColorLink="#35A5D7"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.227"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.739"
        app:rippleColor="#BC3F3F" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
```

```xml
            app:layout_constraintHorizontal_bias="0.462"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            app:layout_constraintVertical_bias="0.925" />

        <TextView
            android:id="@+id/header_name"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:fontFamily="serif-monospace"
            android:text="Enter Your name please"
            android:textColor="#000000"
            android:textSize="24sp"
            android:textStyle="bold"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintStart_toStartOf="@+id/editText_name"
            app:layout_constraintTop_toTopOf="parent"
            app:layout_constraintVertical_bias="0.22" />

        <TextView
            android:id="@+id/header_roll"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:fontFamily="serif-monospace"
            android:text="Enter Your Roll"
            android:textColor="#000000"
            android:textSize="24sp"
            android:textStyle="bold"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintHorizontal_bias="0.0"
            app:layout_constraintStart_toStartOf="@+id/editText_roll"
            app:layout_constraintTop_toTopOf="parent"
            app:layout_constraintVertical_bias="0.377" />

        <EditText
            android:id="@+id/editText_roll"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:ems="10"
            android:inputType="text"
            android:textSize="24sp"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintHorizontal_bias="0.428"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            app:layout_constraintVertical_bias="0.449" />

        <TextView
            android:id="@+id/header_dept"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:fontFamily="serif-monospace"
            android:text="Enter Your Dept"
            android:textColor="#000000"
            android:textSize="24sp"
            android:textStyle="bold"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
```

```xml
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="@+id/editText_dept"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.529" />

    <EditText
        android:id="@+id/editText_dept"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="text"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.428"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.606" />

    <Button
        android:id="@+id/button_reset"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="reset_me"
        android:text="Reset"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.522"
        app:layout_constraintStart_toEndOf="@+id/buttonSubmit"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.739" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="85dp"
        android:layout_marginEnd="269dp"
        android:fontFamily="sans-serif-light"
        android:text="Simple Form"
        android:textSize="34sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.218"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.103" />

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

2. MainActivity.java :

```java
package com.example.morningwish;

import android.annotation.SuppressLint;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
```

```java
import android.widget.EditText;
import android.widget.TextView;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.userText), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });
    }

    @SuppressLint("SetTextI18n")
    public void click_me(View v){
        EditText name = findViewById(R.id.editText_name);
        EditText dept = findViewById(R.id.editText_dept);
        EditText roll = findViewById(R.id.editText_roll);
        TextView output = findViewById(R.id.textView);

        String userName = name.getText().toString();
        String userDept = dept.getText().toString();
        String userRoll = roll.getText().toString();

        int nextRoll = Integer.parseInt(userRoll)+1;


        output.setText("Hello " + userName + "\nRoll : "+userRoll+"\nDept : "+userDept+"\nYour
next Roll : "+nextRoll);

    }
    public void reset_me(View v){
        EditText name = findViewById(R.id.editText_name);
        EditText dept = findViewById(R.id.editText_dept);
        EditText roll = findViewById(R.id.editText_roll);

        name.setText("");
        dept.setText("");
        roll.setText("");
    }

}
```