# Aim : Create an android application for Login Screen to demonstrate the use of various UI controls

**activity\_main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<RelativeLayout xmlns:android[="http://schemas.android.com/apk/res/android"](http://schemas.android.com/apk/res/android) xmlns:app[="http://schemas.android.com/apk/res](http://schemas.android.com/apk/res-auto)-[auto"](http://schemas.android.com/apk/res-auto) xmlns:tools[="http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:id="@+id/textView" android:layout\_width="278dp" android:layout\_height="55dp" android:layout\_alignParentStart="true" android:layout\_alignParentTop="true" android:layout\_marginStart="72dp" android:layout\_marginTop="59dp" android:text="Welcome to my Email Application" android:textAlignment="center" android:textColor="@color/purple\_500" android:textSize="20sp" />

<ImageView

android:id="@+id/imageView" android:layout\_width="155dp" android:layout\_height="136dp" android:layout\_alignParentStart="true" android:layout\_alignParentTop="true" android:layout\_marginStart="117dp" android:layout\_marginTop="137dp" app:srcCompat="@drawable/userprofile" tools:srcCompat="@drawable/userprofile" />

<EditText

android:id="@+id/ed1" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_alignParentStart="true" android:layout\_alignParentTop="true" android:layout\_marginStart="89dp" android:layout\_marginTop="315dp"

android:drawableRight="@drawable/ic\_baseline\_person\_outline\_24" android:ems="10"

android:hint="Enter username" android:inputType="textPersonName" android:text="" />

<EditText

android:id="@+id/ed2" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_alignParentStart="true" android:layout\_alignParentBottom="true"

android:layout\_marginStart="89dp" android:layout\_marginBottom="300dp" android:drawableRight="@drawable/ic\_baseline\_lock\_24" android:ems="10"

android:hint="Enter Password" android:inputType="textPersonName" android:text="" />

.<Button

android:id="@+id/button" android:layout\_width="249dp" android:layout\_height="wrap\_content" android:layout\_alignParentStart="true" android:layout\_alignParentBottom="true" android:layout\_centerHorizontal="true" android:layout\_marginStart="71dp" android:layout\_marginBottom="229dp" android:text="Sign In" android:onClick="getData"/>

</RelativeLayout>

**MainActivity.java**

package com.example.logindemo;

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

import android.view.View; import android.widget.Button; import android.widget.EditText; import android.widget.Toast;

public class MainActivity extends AppCompatActivity { EditText t1, t2;

Button b1;

int counter = 5;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.*activity\_main*);

t1 = (EditText) findViewById(R.id.*ed1*); t2 = (EditText) findViewById(R.id.*ed2*);

b1 = (Button) findViewById(R.id.*button*);

}

public void getData(View v) {

if (t1.getText().toString().equals("admin") && t2.getText().toString().equals("pass123")) {

Toast.*makeText*(getApplicationContext(), "Successful. ",

Toast.*LENGTH\_LONG*).show();

} else {

Toast.*makeText*(getApplicationContext(), "Wrong Credentials.....", Toast.*LENGTH\_LONG*).show();

counter--;

if (counter == 0) { t1.setEnabled(false); t2.setEnabled(false); b1.setEnabled(false);

}

}

}

}