Question

Create an android application that displays a login form with text for username and password and button for submit and reset. On submitting, toast should be displayed accordingly i.e. "Correct username and password" if username and password match and "Incorrect username/password" if username and password do not match.

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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:id="@+id/textview"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:text="Login Example"
        android:textSize="35dp" />

    <EditText
        android:layout_width = "wrap_content"
        android:layout_height = "wrap_content"
        android:id = "@+id/editText"
        android:hint = "Enter Name"
        android:focusable = "true"
        android:textColorHighlight = "#ff7eff15"

        android:layout_marginTop = "46dp"

        android:layout_alignParentLeft = "true"
        android:layout_alignParentStart = "true"
        android:layout_alignParentRight = "true"
        android:layout_alignParentEnd = "true" />

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:inputType="textPassword"
        android:ems="10"
```

```xml
        android:id="@+id/editText2"
        android:layout_below="@+id/editText"
        android:layout_alignParentLeft="true"
        android:layout_alignParentStart="true"
        android:layout_alignRight="@+id/editText"
        android:layout_alignEnd="@+id/editText"

        android:hint="Password" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/editText2"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:text="Attempts Remaining"
        android:textSize="25dp" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignTop="@+id/textView2"
        android:layout_alignBottom="@+id/textView2"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_toEndOf="@+id/textview"
        android:layout_toRightOf="@+id/textview"
        android:text="Text"
        android:textSize="25dp" />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="login"
        android:id="@+id/button"
        android:layout_alignParentBottom="true"
        android:layout_toLeftOf="@+id/textview"
        android:layout_toStartOf="@+id/textview" />


    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Cancel"
        android:id="@+id/button2"
```

```xml
            android:layout_alignParentBottom="true"
            android:layout_toRightOf="@+id/textview"
            android:layout_toEndOf="@+id/textview" />

</RelativeLayout>
```

Main_Activity.

```java
import androidx.appcompat.app.AppCompatActivity;

import android.graphics.Color;
import android.os.Bundle;


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

public class MainActivity extends AppCompatActivity {

    Button b1,b2;
    EditText ed1,ed2;

    TextView tx1;
    int counter = 3;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);




        b1 = (Button)findViewById(R.id.button);
        ed1 = (EditText)findViewById(R.id.editText);
        ed2 = (EditText)findViewById(R.id.editText2);

        b2 = (Button)findViewById(R.id.button2);
        tx1 = (TextView)findViewById(R.id.textView3);


        b1.setOnClickListener(new View.OnClickListener() {
            @Override
```

```java
        public void onClick(View v) {
            if(ed1.getText().toString().equals("admin") &&
                ed2.getText().toString().equals("admin")) {
              Toast.makeText(getApplicationContext(),
                    "Redirecting...",Toast.LENGTH_SHORT).show();
            }else{
              Toast.makeText(getApplicationContext(), "Wrong
Credentials",Toast.LENGTH_SHORT).show();

                    tx1.setVisibility(View.VISIBLE);
              tx1.setBackgroundColor(Color.RED);
              counter--;
              tx1.setText(Integer.toString(counter));

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

    b2.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
        finish();
      }
    });

  }
}
```