Ouestion

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 version="1.0" encoding="utf-8"?>
< Relative Layout 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"
```

```
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"
```

```
android:layout_alignParentBottom="true"
    android:layout toRightOf="@+id/textview"
    android:layout_toEndOf="@+id/textview"/>
</RelativeLayout>
                                  Main_Activity.java
package com.maharashtracollege.profshahidansari;
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
```

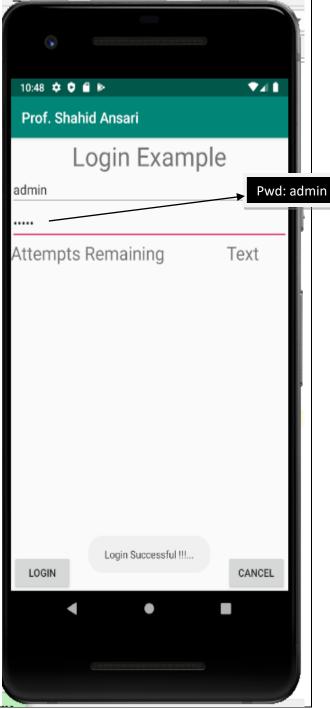
```
public void onClick(View v) {
         if(ed1.getText().toString().equals("admin") &&
             ed2.getText().toString().equals("admin")) {
           Toast.makeText(getApplicationContext(),
                "Redirecting...",Toast.LENGTH_SHORT).show();
         }else{
           Toast.makeText(getApplicationContext(),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



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