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| **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 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"  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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