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# Roll No.: AC-1254

Activity\_main.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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <EditText  
 android:id="@+id/username"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="264dp"  
 android:ems="10"  
 android:hint="@string/enter\_your\_username"  
 android:inputType="textPersonName"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <EditText  
 android:id="@+id/password"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="16dp"  
 android:ems="10"  
 android:hint="@string/enter\_your\_password"  
 android:inputType="textPassword"  
 app:layout\_constraintStart\_toStartOf="@+id/username"  
 app:layout\_constraintTop\_toBottomOf="@+id/username" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:onClick="Validate"  
 android:text="@string/login"  
 app:layout\_constraintEnd\_toEndOf="@+id/password"  
 app:layout\_constraintStart\_toStartOf="@+id/password"  
 app:layout\_constraintTop\_toBottomOf="@+id/password"  
 tools:ignore="UsingOnClickInXml" />  
</androidx.constraintlayout.widget.ConstraintLayout>

MainActivity.java

package com.example.lab10;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
  
 public void Validate(View view) {  
 String username = "thenishantgiri";  
 String password = "rootpass";  
  
 EditText userValidation = findViewById(R.id.*username*);  
 EditText passValidation = findViewById(R.id.*password*);  
  
 if (userValidation.getText().toString().equals(username)  
 && passValidation.getText().toString().equals(password)) {  
 Toast.*makeText*(getApplicationContext(), "Welcome", Toast.*LENGTH\_SHORT*).show();  
 } else {  
 Toast.*makeText*(getApplicationContext(), "Try Again", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
}

Output

Graphical user interface, text, application

Description automatically generated

Correct Credentials

Graphical user interface, application, Teams

Description automatically generated

Wrong Credentials

Graphical user interface, text, application

Description automatically generated