<?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"  
 android:background="@color/purple\_200"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/loginLable"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/login\_form"  
 android:textColor="#5E35B1"  
 android:textColorHighlight="@color/purple\_200"  
 android:textColorLink="@color/black"  
 android:textSize="34sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.716"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.119" />  
  
 <TextView  
 android:id="@+id/userNameLabel"  
 android:layout\_width="122dp"  
 android:layout\_height="46dp"  
 android:text="@string/username"  
 android:textColor="@color/purple\_700"  
 android:textSize="24sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.103"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.343" />  
  
 <ImageView  
 android:id="@+id/imageView"  
 android:layout\_width="111dp"  
 android:layout\_height="90dp"  
 android:contentDescription="@string/todo"  
 app:layout\_constraintBottom\_toTopOf="@+id/userNameLabel"  
 app:layout\_constraintEnd\_toStartOf="@+id/loginLable"  
 app:layout\_constraintHorizontal\_bias="0.836"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.436"  
 app:srcCompat="@drawable/login1" />  
  
 <TextView  
 android:id="@+id/passwordLabel"  
 android:layout\_width="115dp"  
 android:layout\_height="45dp"  
 android:text="@string/password"  
 android:textColor="@color/purple\_700"  
 android:textSize="24sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/password"  
 app:layout\_constraintHorizontal\_bias="0.513"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/userNameLabel"  
 app:layout\_constraintVertical\_bias="0.096" />  
  
 <Button  
 android:id="@+id/submit"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/submit"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/loginLable"  
 app:layout\_constraintVertical\_bias="0.568" />  
  
 <EditText  
 android:id="@+id/password"  
 android:layout\_width="211dp"  
 android:layout\_height="48dp"  
 android:autofillHints=""  
 android:ems="10"  
 android:hint="@string/enter\_your\_password"  
 android:inputType="textPassword"  
 android:textColorHint="#311B92"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.93"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/loginLable"  
 app:layout\_constraintVertical\_bias="0.341" />  
  
 <EditText  
 android:id="@+id/username"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:autofillHints=""  
 android:ems="10"  
 android:hint="@string/enter\_your\_username"  
 android:inputType="textPersonName"  
 android:minHeight="48dp"  
 android:textColorHint="#311B92"  
 app:layout\_constraintBottom\_toTopOf="@+id/password"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.673"  
 app:layout\_constraintStart\_toEndOf="@+id/userNameLabel"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.827" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

package com.example.loginform;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import org.w3c.dom.Text;  
  
public class MainActivity extends AppCompatActivity {  
  
 TextView loginLabel;  
 TextView userNameLabel;  
 TextView passwordLabel;  
 EditText username;  
 EditText password;  
 Button submit;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 loginLabel = (TextView) findViewById(R.id.*loginLable*);  
 userNameLabel = (TextView) findViewById(R.id.*userNameLabel*);  
 passwordLabel = (TextView) findViewById(R.id.*passwordLabel*);  
 username = (EditText) findViewById(R.id.*username*);  
 password = (EditText) findViewById(R.id.*password*);  
 submit = (Button) findViewById(R.id.*submit*);  
 submit.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if(username.getText().toString().equals("admin") && password.getText().toString().equals("password")){  
 Toast.*makeText*(MainActivity.this,"Login Successful!",Toast.*LENGTH\_SHORT*).show();  
 Intent i = new Intent(MainActivity.this,HomeActivity.class);  
 startActivity(i);  
 }  
 else if(username.getText().toString() != "admin" && password.getText().toString().equals("password")){  
 Toast.*makeText*(MainActivity.this,"Invalid Username!",Toast.*LENGTH\_SHORT*).show();  
 }  
 else if(username.getText().toString().equals("admin") && password.getText().toString() != "password"){  
 Toast.*makeText*(MainActivity.this,"Invalid Password!",Toast.*LENGTH\_SHORT*).show();  
 }  
 else{  
 Toast.*makeText*(MainActivity.this,"Invalid Username & Password!",Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
 }  
}

<resources>  
 <string name="app\_name">Login Form</string>  
 <string name="login\_form">Login Form</string>  
 <string name="username">Username</string>  
 <string name="password">Password</string>  
 <string name="enter\_your\_password">Enter your password</string>  
 <string name="submit">Submit</string>  
 <string name="welcome\_to\_home\_activity">Welcome to Home Activity</string>  
 <string name="enter\_your\_username">Enter your username</string>  
 <string name="todo">TODO</string>  
</resources>

package com.example.loginform;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
  
public class HomeActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_home*);  
 }  
}

<?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"  
 android:background="@color/teal\_700"  
 tools:context=".HomeActivity">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="323dp"  
 android:layout\_height="87dp"  
 android:text="@string/welcome\_to\_home\_activity"  
 android:textColor="#64FFDA"  
 android:textSize="34sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.568"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.714" />  
  
 <ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="335dp"  
 android:layout\_height="364dp"  
 android:contentDescription="@string/todo"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.496"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.0"  
 app:srcCompat="@drawable/image1" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>