**PROGRAM 1**

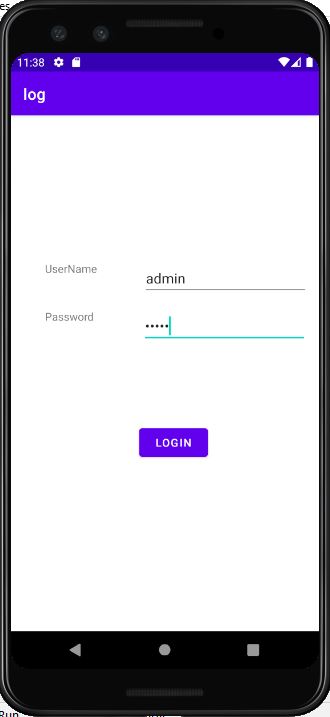
**AIM:**

Design a Login Form with username and password using LinearLayout and toast valid credentials.

|  |  |
| --- | --- |
| activity\_main | <?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">  <TextView  android:id="@+id/textView"  android:layout\_width="124dp"  android:layout\_height="41dp"  android:text="UserName"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.163"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.301" />  <TextView  android:id="@+id/textView2"  android:layout\_width="124dp"  android:layout\_height="41dp"  android:text="Password"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.163"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.4" />  <EditText  android:id="@+id/usr"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:ems="10"  android:inputType="textPersonName"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.925"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.303" />  <EditText  android:id="@+id/pass"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:ems="10"  android:inputType="textPassword"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.92"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.402" />  <Button  android:id="@+id/button"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Login"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.537"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.645" />  </androidx.constraintlayout.widget.ConstraintLayout> |

|  |  |
| --- | --- |
| MainActivity | package com.example.log;  import androidx.annotation.RequiresApi;  import androidx.appcompat.app.AppCompatActivity;  import android.os.Build;  import android.os.Bundle;  import android.view.View;  import android.widget.Button;  import android.widget.EditText;  import android.widget.Toast;  import java.util.Objects;  public class MainActivity extends AppCompatActivity {  EditText Username,Password;  Button LOGIN;  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.activity\_main);  Username=findViewById(R.id.usr);  Password=findViewById(R.id.pass);  LOGIN=findViewById(R.id.button);  LOGIN.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  if(Username.getText().toString().equals("admin") && Password.getText().toString().equals("admin"))  {  Toast.makeText(MainActivity.this,"You have Authenticated Successfully",Toast.LENGTH\_LONG).show();  }else  {  Toast.makeText(MainActivity.this,"Authentication Failed",Toast.LENGTH\_LONG).show();  }  }  });  }  } |

**OUTPUT:**



**RESULT:**

Program Has Been Successfully Executed And Output Is Obtained.