

## **PROGRAM NO :1**

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

## **PROGRAM CODE:**

Mainactivity.java	<pre>package com.example.log;  import androidx.appcompat.app.AppCompatActivity;  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;     protected void onCreate(Bundle savedInstanceState) {         super.onCreate(savedInstanceState);         setContentView(R.layout.activity_main);         Username=findViewById(R.id.editTextTextPersonName3);         Password=findViewById(R.id.editTextTextPersonName4);         LOGIN=findViewById(R.id.button);         LOGIN.setOnClickListener(new View.OnClickListener() {             @Override             public void onClick(View view) {                 if(Objects.equals(Username.getText().toString(), "admin")&amp;&amp;Objects.equals(Password.getText().toString(),"admin"))                 {                     Toast.makeText(MainActivity.this,"You have Authenticated Successfully",Toast.LENGTH_LONG).show();                 }else                 {                     Toast.makeText(MainActivity.this,"Authentication Failed",Toast.LENGTH_LONG).show();                 }             }         });     } }</pre>
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## 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"
    android:background="#EFE9E9"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="76dp"
        android:layout_height="27dp"
        android:background="#EDE9E9"
        android:backgroundTint="#EDE9E9"
        android:text=" LOGIN"
        android:textColor="#0D1819"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.516"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.083" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="113dp"
        android:layout_height="24dp"
        android:text="username"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.08"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.3" />

    <EditText
        android:id="@+id/editTextTextPersonName3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint=""
        android:inputType="textPersonName"
        android:minHeight="48dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.845"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.294"
        tools:ignore="SpeakableTextPresentCheck" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="126dp"
        android:layout_height="28dp"
```

```

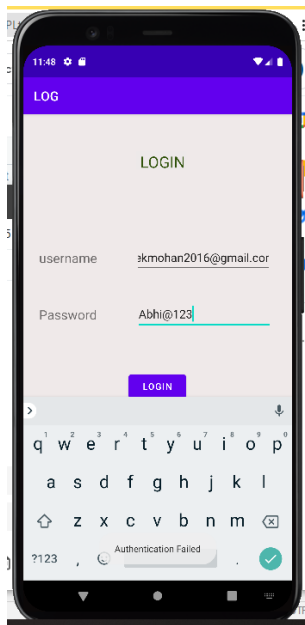
        android:text="Password"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.084"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.428" />

<EditText
    android:id="@+id/editTextTextPersonName4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:hint=""
    android:inputType="textPersonName"
    android:minHeight="48dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.85"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.424"
    tools:ignore="SpeakableTextPresentCheck" />

<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="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.59" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

## OUTPUT:



## RESULT

Program Has Been Succesfully Executed And Output Is Obtained.