PROGRAM NO :1

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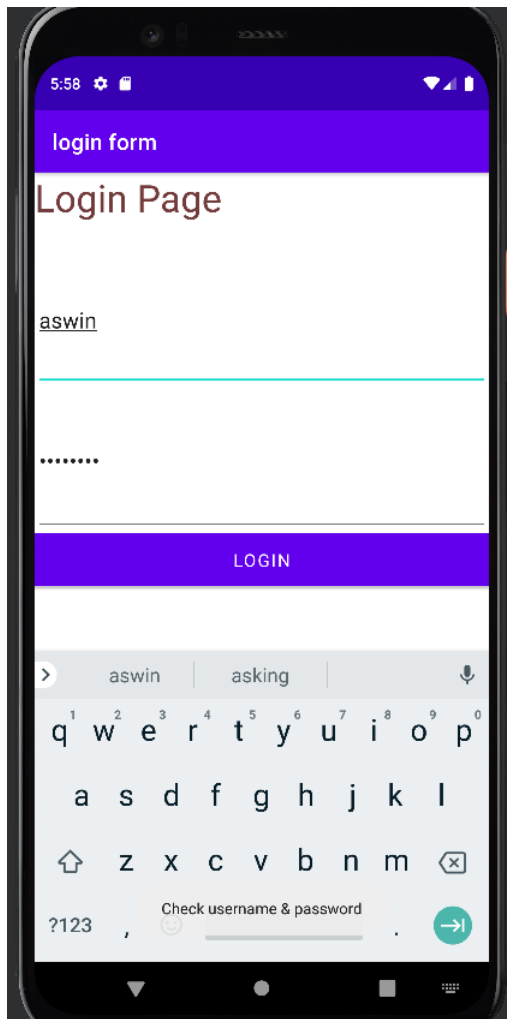
PROGRAM CODE:

| Main_activity.java | ```java
package com.example.loginform;

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;

public class MainActivity extends AppCompatActivity {

    EditText t1,t2;

    Button b1;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        t1=(EditText)findViewById(R.id.name);

        t2=(EditText)findViewById(R.id.password);
``` |

| | ```java
b1=(Button)findViewById((R.id.login));

    }

  public void onClick(View view){

      String a =t1.getText().toString();

      String b =t2.getText().toString();

      if((a.equals("admin"))&&(b.equals("admin")))

      {

          Toast.makeText(this,"Succesfully
Logined",Toast.LENGTH_LONG).show();

      }

      else{

          Toast.makeText(this,"Check username &
password",Toast.LENGTH_LONG).show();

      }

    }

}
``` |
| Activit_main.xml | ```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
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:orientation="vertical"
    tools:context=".MainActivity" >

    <TextView
      android:id="@+id/textView"
      android:layout_width="match_parent"
      android:layout_height="72dp"
      android:fontFamily="sans-serif"
      android:text="Login Page"
      android:textColor="#733B3B"
      android:textColorHighlight="#9F9494"
``` |

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```xml
        android:textColorHint="#59A677"
        android:textColorLink="#5A4040"
        android:textSize="34sp" />

    <EditText
        android:id="@+id/name"
        android:layout_width="match_parent"
        android:layout_height="124dp"
        android:ems="10"
        android:hint="Name"
        android:inputType="textPersonName"
        android:textSize="20sp" />

    <EditText
        android:id="@+id/password"
        android:layout_width="match_parent"
        android:layout_height="131dp"
        android:ems="10"
        android:hint="Password"
        android:inputType="textPassword"
        android:textSize="20sp" />

    <Button
        android:id="@+id/login"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="#2F7A6E"
        android:backgroundTint="#651E1E"
        android:checkable="false"
        android:fontFamily="sans-serif"
        android:foregroundTint="#8A2828"
        android:onClick="onClick"
        android:text="Login"
        android:textSize="16sp"
        app:iconTint="#7E3131"
        app:rippleColor="#9F2525" />
</LinearLayout>
```

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OUTPUT:

<u>RESULT</u>

Program Has Been Succesfully Executed And Output Is Obtained.