PROGRAM 1 (CO1)

AIM: Design a login Form with username and password using Linear Layout and toast valid credentials .

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"**>  
  
  
 <**EditText  
 android:id="@+id/username"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:hint="Username"** />  
  
 <**EditText  
 android:id="@+id/password"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:hint="password"** />  
  
 <**Button  
 android:id="@+id/login"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Click"** />  
 </**LinearLayout**>

Java

**package** com.example.myapplication1;  
**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 **username**;

EditText **password**;

Button **b**;

String **name**=**"admin"**;

String **ps**=**"1234"**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

**username**=findViewById(R.id.***username***);

**password**=findViewById(R.id.***password***);

**b**=findViewById(R.id.***logig);***

**b**.setOnClickListener((**new** View.OnClickListener() {

@Override

**public void** onClick(View v) {  
 String inname = **username**.getText().toString();  
 String inpass = **password**.getText().toString();  
 **if**(inname.isEmpty() || inpass.isEmpty())  
 {  
 Toast.*makeText*(MainActivity.**this**, **"fields are empty"**, Toast.***LENGTH\_SHORT***).show();  
 }

**else** {  
 **if**(inname.equals(**name**) && inpass.equals(**ps**))  
{ Toast.*makeText*(MainActivity.**this**,**"success"**,Toast.***LENGTH\_SHORT***).show();

}

**else**

{

Toast.*makeText*(MainActivity.**this**,**"login failed"**,Toast.***LENGTH\_SHORT***).show();

}

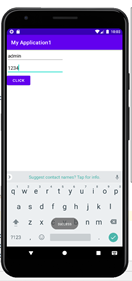
}  
}

}));

}

}

OUTPUT



Result: Program to design login Form with username and password using Linear Layout and toast valid credentials is successfully executed and output verified