**Program no:3**

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

# XML Code:

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android=["ht](http://schemas.android.com/apk/res/android)t[p://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" xmlns:tools="<http://schemas.android.com/tools>" android:layout\_width="match\_parent" android:layout\_height="match\_parent" xmlns:card\_view=["http:/](http://schemas.android.com/apk/res-auto)/[schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" tools:context=".MainActivity"

android:orientation="vertical" android:background="#000">

<androidx.cardview.widget.CardView android:layout\_margin="64dp" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" card\_view:cardCornerRadius="8dp" card\_view:cardElevation="8dp" android:background="#fff">

<LinearLayout android:layout\_width="match\_parent"

android:layout\_height="wrap\_content" android:orientation="vertical" android:padding="24dp">

<TextView android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:text="Login" android:textSize="36sp" android:textAlignment="center" android:layout\_gravity="center\_horizontal" />

<TextView android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:textSize="22sp" android:text="username" android:textColor="@color/black"/>

<EditText android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:inputType="text" android:id="@+id/activity\_main\_usernameEditText" />

<TextView android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:textSize="22sp" android:text="password" android:textColor="@color/black"/>

<EditText android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:inputType="textPassword" android:id="@+id/activity\_main\_passwordEditText" />

<Button

android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:id="@+id/activity\_main\_loginButton" android:text="login" android:textSize="22sp"/>

</LinearLayout>

</androidx.cardview.widget.CardView>

</LinearLayout>

# Java Code:

package com.example.myapplication;

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 {private EditText usernameEditText;

private EditText passwordEditText; private Button loginButton;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

usernameEditText = findViewById(R.id.activity\_main\_usernameEditText); passwordEditText = findViewById(R.id.activity\_main\_passwordEditText); loginButton = findViewById(R.id.activity\_main\_loginButton);

loginButton.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

if (usernameEditText.getText().length() > 0 && passwordEditText.getText().length() > 0) {

String toastMessage = "Username: " + usernameEditText.getText().toString() + ", Password: " + passwordEditText.getText().toString();

Toast.makeText(getApplicationContext(), toastMessage, Toast.LENGTH\_SHORT).show();

} else {

String toastMessage = "Username or Password are not populated"; Toast.makeText(getApplicationContext(), toastMessage,

Toast.LENGTH\_SHORT).show();

}

}

});

}

}

# Output:

