**Program: 2**

**1**

**Aim**

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

Credentials

**Procedure**

**activity_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="190dp"
        android:layout_height="69dp"
        android:text="SIGN IN"
        android:textColor="#F842B348"
        android:textSize="34sp"
        android:layout_gravity="center"
        tools:layout_editor_absoluteX="145dp"
        tools:layout_editor_absoluteY="177dp" />

    <EditText
        android:id="@+id/editTextTextPersonName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="10dp"
        android:ems="10"
        android:inputType="textPersonName"
        android:hint="Username"
        android:layout_gravity="center"
        />

    <EditText
        android:id="@+id/edTextTextPersonName2it"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="10dp"
        android:ems="10"
        android:inputType="textPersonName"
        android:hint="Password"
```

```xml
        android:layout_gravity="center"
        />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/activity_main_loginButton"
        android:text="Login"
        android:layout_gravity="center"
        android:textSize="22sp"/>



</LinearLayout>
```

**MainActivity.java**

```java
package com.example.pgm21;

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.editTextTextPersonName);
        passwordEditText = findViewById(R.id.edTextTextPersonName2it);
        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**