

Program no: 03

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="http://schemas.android.com/apk/res/android"

    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/l1"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:ems="10" android:gravity="center"

        android:text="Login"

        android:textColor="#2196F3"

        android:textSize="50dp"

        tools:layout_editor_absoluteX="31dp"

        tools:layout_editor_absoluteY="39dp" />

    <EditText

        android:id="@+id/e1"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:ems="10"

        android:hint="Username"

        android:inputType="textPersonName"
```

```
android:minHeight="48dp" />
```

```
<EditText
```

```
    android:id="@+id/e2"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:ems="10" android:hint="Password"
```

```
    android:inputType="textPassword"
```

```
    android:minHeight="48dp" />
```

```
<Button
```

```
    android:id="@+id/b1"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_gravity="right"
```

```
    android:text="Login" />
```

```
</LinearLayout>
```

Java Code:

```
package com.example.login;  
import androidx.appcompat.app.AppCompatActivity; import
```

```
android.os.Bundle;
```

```
import android.view.View; import
```

```
android.widget.Button; import
```

```
android.widget.EditText; import
```

```
android.widget.TextView; import
```

```
android.widget.Toast;
```

```
public class MainActivity extends AppCompatActivity { private
```

```
    TextView l;
```

```

private EditText e1;
private EditText e2;
private Button b1;

@Override

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

    b1 = findViewById(R.id.b1); e1 =
    findViewById(R.id.e1); e2 =
    findViewById(R.id.e2);
    b1.setOnClickListener(new
    View.OnClickListener() {
        @Override
        public void onClick(View view) {

            String uname = e1.getText().toString(); String
            pass = e2.getText().toString();
            if (uname.equals( "admin") && pass.equals("admin123")) {

                Toast.makeText(getApplicationContext(), "Successfully Login",
Toast.LENGTH_SHORT).show();

            }
            else {

                Toast.makeText(getApplicationContext(), "Invalid Login",
Toast.LENGTH_SHORT).show();

            }

        }
    });
}

```

Output:



