

## Practical No 28

### X.1

- **Program**
- **XML File:**

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

<RelativeLayout
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"
tools:context=".MainActivity">

<TextView
android:id="@+id/count"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="221dp"
android:layout_marginBottom="178dp"
android:textColor="#100606"
android:textSize="20sp" />

<TextView
android:id="@+id/lq"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
```

```
android:layout_centerHorizontal="true"
android:layout_marginStart="118dp"
android:layout_marginTop="130dp"
android:fontFamily="sans-serif-smallcaps"
android:text="Login Form"
android:textColor="#070606"
android:textSize="34sp"
android:textStyle="bold" />
<EditText
android:id="@+id/pass"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_centerVertical="true"
android:layout_marginStart="80dp"
android:layout_marginTop="318dp"
android:ems="10"
android:hint="Enter Password"
android:inputType="textPassword" />
<EditText
android:id="@+id/user"
style="@style/Widget.AppCompat.EditText"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
```

```
        android:layout_centerHorizontal="true"
        android:layout_marginStart="80dp"
        android:layout_marginTop="256dp"
        android:ems="10"
        android:hint="Enter Username"
        android:inputType="textPersonName" />
    <Button
        android:id="@+id/sub"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="277dp"
        android:text="Submit" />
    <TextView
        android:id="@+id/att"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="62dp"
        android:layout_marginBottom="181dp"
        android:text="Attempts Remain:"
        android:textColor="#100606"
        android:textSize="20sp"
        android:visibility="gone" />
</RelativeLayout>
```

- **JAVA File:**

```
package com.example.pr_28_1;

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;

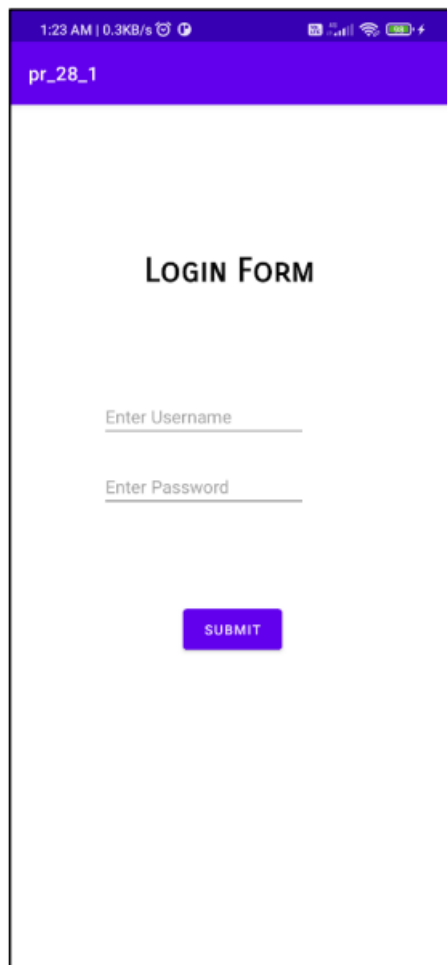
public class MainActivity extends AppCompatActivity {

    Button submit;
    EditText user,pass;
    TextView count,att;
    int counter = 3;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        submit=findViewById(R.id.sub);
        user=findViewById(R.id.user);
        pass=findViewById(R.id.pass);
        count=findViewById(R.id.count);
        att=findViewById(R.id.att);
        submit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String userv=user.getText().toString();
                String passv=pass.getText().toString();
                if(userv.isEmpty()){
                    user.setError("Please Enter Name");
                    user.requestFocus();
                }
                if(passv.isEmpty() || passv.length() < 8 ){
```

```
pass.setError("Enter Password atleast of 8
digit");
pass.requestFocus();
}
if(userv.equals("Atharva123") &&
passv.equals("AtharvaM")) {
    Toast.makeText(getApplicationContext(), "Login
Successful",Toast.LENGTH_SHORT).show();
}else{
    Toast.makeText(getApplicationContext(), "Invalid
Credentials",Toast.LENGTH_SHORT).show();
    att.setVisibility(View.VISIBLE);
    counter--;
    count.setText(Integer.toString(counter));
    if (counter == 0) {
        submit.setEnabled(false);
    }
}
});
}
}
```

- **Output:**



A screenshot of a mobile application interface. At the top, a status bar shows the time as 1:23 AM, a data speed of 0.3KB/s, and various connectivity icons. Below this is a purple header bar with the text "pr\_28\_1". The main content area is white and features the title "LOGIN FORM" in bold black text. Below the title are two input fields: "Enter Username" and "Enter Password", each with a light blue underline. At the bottom of the form is a purple button with the text "SUBMIT" in white.

