PRACTICAL NO: 3

Aim: Create an Android Application with Interactive User Interface using Different Layouts.

1. Create Login Page using Layout:

activity_main.xml:

```xml
<?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"
    android:background="@drawable/background">


    <TextView
        android:id="@+id/topView1"
        android:layout_width="match_parent"
        android:layout_height="150dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:text="@string/txtLogin"
        android:textColor="#ffffff"
        android:textSize="40sp" />

    <TextView
        android:id="@+id/topView2"
        android:layout_width="match_parent"
        android:layout_height="150dp"
        android:text="@string/txtpass"
        android:textColor="#ffffff"
        android:textSize="35sp"
        android:layout_marginTop="300sp"
        android:layout_marginLeft="50dp"
        />

    <TextView
        android:id="@+id/topView3"
        android:layout_width="match_parent"
        android:layout_height="150dp"
        android:text="@string/txtuser"
```

```xml
        android:textColor="@color/black"
        android:textSize="30sp"
        android:layout_marginTop="520sp"
        android:layout_marginLeft="50dp"
        />

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:srcCompat="@drawable/ic_baseline_email_24"
        android:layout_marginTop="200dp"
        android:layout_marginLeft="30dp"
        />


    <ImageView
        android:id="@+id/imageView3"
        android:layout_width="45dp"
        android:layout_height="56dp"
        android:layout_alignParentTop="true"
        android:layout_marginLeft="360dp"
        android:layout_marginTop="10dp"
        app:srcCompat="@drawable/ic_baseline_person_24" />

    <EditText
        android:id="@+id/editTextTextPersonName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textEmailAddress"
        android:hint="Email"
        android:textColorHint="#ffffff"
        android:textColor="#ffffff"
        android:layout_marginTop="190dp"
        android:layout_marginLeft="60dp"
        android:text=""
        />

    <EditText
        android:id="@+id/editTextTextPassword"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPassword"
        android:hint="Password"
        android:textColorHint="#ffffff"
        android:textColor="#ffffff"
        android:layout_marginTop="240dp"
```

```xml
        android:layout_marginLeft="60dp"
        android:text=""
        />

    <ImageView
        android:id="@+id/imageView5"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:srcCompat="@drawable/ic_baseline_lock_24"
        android:layout_marginTop="250dp"
        android:layout_marginLeft="30dp"/>

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Login"
        android:textSize="18sp"
        android:layout_marginTop="350sp"
        android:gravity="center"
        android:layout_marginLeft="150dp"
        android:background="#ffffff"/>

    <ImageView
        android:id="@+id/imageView6"
        android:layout_width="100dp"
        android:layout_height="100dp"
        app:srcCompat="@drawable/fb"
        android:layout_marginLeft="90dp"
        android:layout_marginTop="420dp"
         />

    <ImageView
        android:id="@+id/imageView7"
        android:layout_width="100dp"
        android:layout_height="100dp"
        app:srcCompat="@drawable/google"
        android:layout_marginTop="420dp"
        android:layout_marginLeft="200dp"/>
    />

</RelativeLayout>
```

MainActivity.java:
```java
package com.example.practical3;

import androidx.appcompat.app.AppCompatActivity;
```

```java
import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

String.xml:
```xml
<resources>
    <string name="app_name">p3</string>
    <string name="txtLogin">Already Have an Account</string>
    <string name="txtpass">Forgot Password</string>
    <string name="txtuser">New User? Register Here</string>
</resources>
```

Already Have an Account

👤

✉ Email
_____

🔒 Password
_____

Forgot Password

[LOGIN]

Already Have an Account

👤

✉ Email
_____

🔒 Password
_____

Forgot Password

[LOGIN]

New User? Register Here