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 version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   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"
       />
  <Text.View
       android:id="@+id/topView3"
       android:layout width="match parent"
       android:layout_height="150dp"
       android:text="@string/txtuser"
```

```
android:textColor="@color/black"
   android:textSize="30sp"
   android:layout marginTop="520sp"
   android:layout marginLeft="50dp"
   />
< Image View
   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"
   />
< Image View
   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=""
   />
<Edit.Text
   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"
```

```
android:layout marginLeft="60dp"
       android:text=""
       />
   < Image View
       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"/>
   < Image View
       android:id="@+id/imageView6"
       android:layout width="100dp"
       android:layout height="100dp"
       app:srcCompat="@drawable/fb"
       android:layout marginLeft="90dp"
       android:layout marginTop="420dp"
        />
   < Image View
       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:
package com.example.practical3;
import androidx.appcompat.app.AppCompatActivity;
```

```
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:

```
<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>
```



