**MOBILE APPLICATION DEVELOPMENT**

**(MAD)**

Name : Sourjadip Pramanik

Div: R

Roll\_No : 53

ASSIGNMENT NO.4

# Assignment Name : Develop an application that uses Layout.(Registration form)

Code For Manifest File :

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

<manifest *xmlns:android*="http://schemas.android.com/apk/res/android"

*package*="com.example.myapplication\_2">

<application

*android:allowBackup*="true"

*android:icon*="@mipmap/ic\_launcher"

*android:label*="VIT Student Info"

*android:roundIcon*="@mipmap/ic\_launcher\_round"

*android:supportsRtl*="true"

*android:theme*="@style/Theme.MyApplication\_2">

<activity *android:name*=".Register\_form"

*android:label*="Register form"/>

<activity *android:name*=".MainActivity">

<intent-filter>

<action *android:name*="android.intent.action.MAIN" />

<category *android:name*="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

</application>

</manifest>

Code For XML File : (activity\_main.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"

*android:orientation*="vertical"

*tools:context*=".MainActivity"

*android:background*="@drawable/llq"

*android:padding*="30dp">

<ImageView

*android:id*="@+id/imageView"

*android:layout\_width*="254dp"

*android:layout\_height*="180dp"

*android:layout\_alignParentStart*="true"

*android:layout\_alignParentLeft*="true"

*android:layout\_alignParentEnd*="true"

*android:layout\_alignParentRight*="true"

*android:layout\_marginStart*="73dp"

*android:layout\_marginLeft*="73dp"

*android:layout\_marginEnd*="75dp"

*android:layout\_marginRight*="75dp"

*android:background*="@drawable/log\_9"

*app:layout\_constraintBottom\_toTopOf*="@+id/Email"

*app:layout\_constraintEnd\_toEndOf*="parent"

*app:layout\_constraintHorizontal\_bias*="0.498"

*app:layout\_constraintStart\_toStartOf*="parent"

*app:layout\_constraintTop\_toTopOf*="parent"

*app:layout\_constraintVertical\_bias*="0.529"

/>

<EditText

*android:id*="@+id/Email"

*android:layout\_width*="232dp"

*android:layout\_height*="wrap\_content"

*android:layout\_below*="@+id/imageView"

*android:layout\_alignParentEnd*="true"

*android:layout\_alignParentRight*="true"

*android:layout\_marginTop*="69dp"

*android:layout\_marginEnd*="6dp"

*android:layout\_marginRight*="6dp"

*android:ems*="10"

*android:inputType*="textEmailAddress"

*android:hint*="Email Id"

*android:text*="" />

<EditText

*android:id*="@+id/editTextNumberPassword"

*android:layout\_width*="wrap\_content"

*android:layout\_height*="wrap\_content"

*android:layout\_below*="@+id/Email"

*android:layout\_alignParentEnd*="true"

*android:layout\_alignParentRight*="true"

*android:layout\_marginTop*="47dp"

*android:layout\_marginEnd*="3dp"

*android:layout\_marginRight*="3dp"

*android:hint*="\*\*\*\*\*\*\*"

*android:ems*="10"

*android:inputType*="textPassword" />

<Button

*android:id*="@+id/button"

*android:layout\_width*="wrap\_content"

*android:layout\_height*="wrap\_content"

*android:layout\_below*="@+id/editTextNumberPassword"

*android:layout\_alignParentStart*="true"

*android:layout\_alignParentLeft*="true"

*android:layout\_alignParentEnd*="true"

*android:layout\_alignParentRight*="true"

*android:layout\_marginStart*="66dp"

*android:layout\_marginLeft*="66dp"

*android:layout\_marginTop*="88dp"

*android:layout\_marginEnd*="69dp"

*android:layout\_marginRight*="69dp"

*android:background*="@drawable/button\_round"

*android:text*="Log In"

*android:textColor*="#050505"

*app:backgroundTint*="#FF5722" />

<Button

*android:id*="@+id/button2"

*android:layout\_width*="wrap\_content"

*android:layout\_height*="wrap\_content"

*android:layout\_below*="@+id/button"

*android:layout\_alignParentStart*="true"

*android:layout\_alignParentLeft*="true"

*android:layout\_alignParentEnd*="true"

*android:layout\_alignParentRight*="true"

*android:layout\_marginStart*="71dp"

*android:layout\_marginLeft*="71dp"

*android:layout\_marginTop*="40dp"

*android:layout\_marginEnd*="69dp"

*android:layout\_marginRight*="69dp"

*android:background*="@drawable/button\_round"

*android:text*="Register"

*app:backgroundTint*="#A41ABC" />

<TextView

*android:id*="@+id/editTextTextPersonName"

*android:layout\_width*="111dp"

*android:layout\_height*="41dp"

*android:layout\_below*="@+id/imageView"

*android:layout\_marginTop*="78dp"

*android:ems*="10"

*android:inputType*="textPersonName"

*android:text*="Email : "

*android:textColor*="#25075A"

*android:textSize*="20sp"

*android:textStyle*="bold" />

<TextView

*android:id*="@+id/editTextTextPersonName2"

*android:layout\_width*="118dp"

*android:layout\_height*="43dp"

*android:layout\_below*="@+id/editTextTextPersonName"

*android:layout\_marginTop*="52dp"

*android:ems*="10"

*android:inputType*="textPersonName"

*android:text*="Password : "

*android:textColor*="#2A0965"

*android:textSize*="20sp"

*android:textStyle*="bold" />

</RelativeLayout>

Code For Activity 2 XML File : (activity\_register\_form.xml)

<androidx.constraintlayout.widget.ConstraintLayout *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:background*="@drawable/bb"

*tools:context*=".Register\_form">

<TextView

*android:id*="@+id/textView11"

*android:layout\_width*="84dp"

*android:layout\_height*="39dp"

*android:layout\_marginStart*="28dp"

*android:layout\_marginLeft*="28dp"

*android:layout\_marginTop*="36dp"

*android:gravity*="center"

*android:text*="Course"

*android:textAppearance*="@style/TextAppearance.AppCompat.Body2"

*android:textColor*="#000000"

*app:layout\_constraintBottom\_toTopOf*="@+id/button3"

*app:layout\_constraintStart\_toStartOf*="parent"

*app:layout\_constraintTop\_toBottomOf*="@+id/textView10"

*app:layout\_constraintVertical\_bias*="0.0" />

<TextView

*android:id*="@+id/textView10"

*android:layout\_width*="88dp"

*android:layout\_height*="51dp"

*android:layout\_marginTop*="20dp"

*android:gravity*="center"

*android:text*="CONTACT NO :"

*android:textAppearance*="@style/TextAppearance.AppCompat.Body2"

*android:textColor*="#000000"

*app:layout\_constraintEnd\_toStartOf*="@+id/editTextNumber4"

*app:layout\_constraintHorizontal\_bias*="0.365"

*app:layout\_constraintStart\_toStartOf*="parent"

*app:layout\_constraintTop\_toBottomOf*="@+id/textView9" />

<TextView

*android:id*="@+id/textView9"

*android:layout\_width*="87dp"

*android:layout\_height*="44dp"

*android:layout\_marginStart*="24dp"

*android:layout\_marginLeft*="24dp"

*android:layout\_marginTop*="20dp"

*android:gravity*="center"

*android:text*="MARKS:"

*android:textAppearance*="@style/TextAppearance.AppCompat.Body2"

*android:textColor*="#000000"

*app:layout\_constraintStart\_toStartOf*="parent"

*app:layout\_constraintTop\_toBottomOf*="@+id/textView8" />

<TextView

*android:id*="@+id/textView4"

*android:layout\_width*="82dp"

*android:layout\_height*="46dp"

*android:layout\_marginStart*="28dp"

*android:layout\_marginLeft*="28dp"

*android:layout\_marginTop*="40dp"

*android:gravity*="center"

*android:text*="CITY"

*android:textAppearance*="@style/TextAppearance.AppCompat.Body2"

*android:textColor*="#000000"

*app:layout\_constraintStart\_toStartOf*="parent"

*app:layout\_constraintTop\_toBottomOf*="@+id/textView3" />

<TextView

*android:id*="@+id/textView8"

*android:layout\_width*="75dp"

*android:layout\_height*="62dp"

*android:layout\_marginStart*="28dp"

*android:layout\_marginLeft*="28dp"

*android:layout\_marginTop*="20dp"

*android:gravity*="center"

*android:text*="DATE OF BIRTH:"

*android:textAppearance*="@style/TextAppearance.AppCompat.Body2"

*android:textColor*="#000000"

*app:layout\_constraintEnd\_toStartOf*="@+id/editTextNumber2"

*app:layout\_constraintHorizontal\_bias*="0.0"

*app:layout\_constraintStart\_toStartOf*="parent"

*app:layout\_constraintTop\_toBottomOf*="@+id/textView4" />

<TextView

*android:id*="@+id/textView3"

*android:layout\_width*="96dp"

*android:layout\_height*="46dp"

*android:layout\_marginStart*="28dp"

*android:layout\_marginLeft*="28dp"

*android:layout\_marginTop*="92dp"

*android:gravity*="center"

*android:text*="Student Id :"

*android:textAppearance*="@style/TextAppearance.AppCompat.Body2"

*android:textColor*="#000000"

*app:layout\_constraintStart\_toStartOf*="parent"

*app:layout\_constraintTop\_toTopOf*="parent" />

<EditText

*android:id*="@+id/editTextNumber"

*android:layout\_width*="238dp"

*android:layout\_height*="50dp"

*android:layout\_marginStart*="8dp"

*android:layout\_marginLeft*="8dp"

*android:layout\_marginTop*="92dp"

*android:layout\_marginEnd*="25dp"

*android:layout\_marginRight*="25dp"

*android:ems*="10"

*android:textSize*="15sp"

*android:inputType*="number"

*android:hint*="PRN No."

*app:layout\_constraintEnd\_toEndOf*="parent"

*app:layout\_constraintHorizontal\_bias*="0.575"

*app:layout\_constraintStart\_toEndOf*="@+id/textView3"

*app:layout\_constraintTop\_toTopOf*="parent" />

<EditText

*android:id*="@+id/editTextNumber3"

*android:layout\_width*="246dp"

*android:layout\_height*="45dp"

*android:layout\_marginTop*="32dp"

*android:layout\_marginEnd*="25dp"

*android:layout\_marginRight*="25dp"

*android:ems*="10"

*android:hint*="Enter 12th standard Marks"

*android:textSize*="15sp"

*android:inputType*="number"

*app:layout\_constraintEnd\_toEndOf*="parent"

*app:layout\_constraintHorizontal\_bias*="0.86"

*app:layout\_constraintStart\_toEndOf*="@+id/textView9"

*app:layout\_constraintTop\_toBottomOf*="@+id/editTextNumber2" />

<EditText

*android:id*="@+id/editTextNumber4"

*android:layout\_width*="249dp"

*android:layout\_height*="57dp"

*android:layout\_marginTop*="20dp"

*android:layout\_marginEnd*="32dp"

*android:layout\_marginRight*="32dp"

*android:ems*="10"

*android:inputType*="number"

*android:hint*="Mobile Number"

*android:textSize*="15sp"

*app:layout\_constraintEnd\_toEndOf*="parent"

*app:layout\_constraintTop\_toBottomOf*="@+id/editTextNumber3" />

<EditText

*android:id*="@+id/editTextNumber2"

*android:layout\_width*="246dp"

*android:layout\_height*="44dp"

*android:layout\_marginTop*="16dp"

*android:layout\_marginEnd*="32dp"

*android:layout\_marginRight*="32dp"

*android:ems*="10"

*android:hint*="Enter the current Date"

*android:textSize*="15sp"

*android:inputType*="date"

*android:textAppearance*="@style/TextAppearance.AppCompat.Small"

*app:layout\_constraintEnd\_toEndOf*="parent"

*app:layout\_constraintTop\_toBottomOf*="@+id/editTextTextPersonName2" />

<EditText

*android:id*="@+id/editTextTextPersonName2"

*android:layout\_width*="240dp"

*android:layout\_height*="63dp"

*android:layout\_marginStart*="8dp"

*android:layout\_marginLeft*="8dp"

*android:layout\_marginTop*="28dp"

*android:layout\_marginEnd*="25dp"

*android:layout\_marginRight*="25dp"

*android:ems*="10"

*android:inputType*="textPersonName"

*android:textSize*="15sp"

*android:hint*="Enter Your College City Name"

*android:textAppearance*="@style/TextAppearance.AppCompat.Small"

*app:layout\_constraintEnd\_toEndOf*="parent"

*app:layout\_constraintHorizontal\_bias*="0.644"

*app:layout\_constraintStart\_toEndOf*="@+id/textView4"

*app:layout\_constraintTop\_toBottomOf*="@+id/editTextNumber" />

<EditText

*android:id*="@+id/editTextTextPersonName3"

*android:layout\_width*="250dp"

*android:layout\_height*="53dp"

*android:layout\_marginStart*="8dp"

*android:layout\_marginLeft*="8dp"

*android:layout\_marginTop*="20dp"

*android:layout\_marginEnd*="25dp"

*android:layout\_marginRight*="25dp"

*android:ems*="10"

*android:inputType*="textNoSuggestions"

*android:hint*="Enter Your Course"

*app:layout\_constraintBottom\_toTopOf*="@+id/button3"

*app:layout\_constraintEnd\_toEndOf*="parent"

*app:layout\_constraintHorizontal\_bias*="0.756"

*app:layout\_constraintStart\_toEndOf*="@+id/textView11"

*app:layout\_constraintTop\_toBottomOf*="@+id/editTextNumber4"

*app:layout\_constraintVertical\_bias*="0.088" />

<Button

*android:id*="@+id/button3"

*android:layout\_width*="149dp"

*android:layout\_height*="55dp"

*android:layout\_marginBottom*="84dp"

*android:background*="@drawable/button\_round"

*android:text*="SUBMIT"

*app:backgroundTint*="#621CDD"

*app:layout\_constraintBottom\_toBottomOf*="parent"

*app:layout\_constraintEnd\_toEndOf*="parent"

*app:layout\_constraintHorizontal\_bias*="0.494"

*app:layout\_constraintStart\_toStartOf*="parent" />

<RadioButton

*android:id*="@+id/radioButton"

*android:layout\_width*="wrap\_content"

*android:layout\_height*="wrap\_content"

*android:layout\_marginEnd*="184dp"

*android:layout\_marginRight*="184dp"

*android:layout\_marginBottom*="24dp"

*android:text*="Male"

*app:layout\_constraintBottom\_toTopOf*="@+id/editTextNumber"

*app:layout\_constraintEnd\_toEndOf*="parent"

*app:layout\_constraintHorizontal\_bias*="0.737"

*app:layout\_constraintStart\_toEndOf*="@+id/textView"

*app:layout\_constraintTop\_toTopOf*="parent"

*app:layout\_constraintVertical\_bias*="1.0"

*tools:ignore*="MissingConstraints" />

<RadioButton

*android:id*="@+id/radioButton2"

*android:layout\_width*="wrap\_content"

*android:layout\_height*="wrap\_content"

*android:text*="Female"

*app:layout\_constraintBottom\_toTopOf*="@+id/editTextNumber"

*app:layout\_constraintEnd\_toEndOf*="parent"

*app:layout\_constraintHorizontal\_bias*="0.386"

*app:layout\_constraintStart\_toEndOf*="@+id/radioButton"

*app:layout\_constraintTop\_toTopOf*="parent"

*app:layout\_constraintVertical\_bias*="0.454" />

<TextView

*android:id*="@+id/textView"

*android:layout\_width*="92dp"

*android:layout\_height*="32dp"

*android:layout\_marginStart*="36dp"

*android:layout\_marginLeft*="36dp"

*android:gravity*="center"

*android:text*="Gender"

*android:textColor*="#090909"

*android:textStyle*="bold"

*app:layout\_constraintBottom\_toTopOf*="@+id/textView3"

*app:layout\_constraintStart\_toStartOf*="parent"

*app:layout\_constraintTop\_toTopOf*="parent"

*app:layout\_constraintVertical\_bias*="0.45" />

</androidx.constraintlayout.widget.ConstraintLayout>

Code For **Drawable** (XML File) : (button\_round.xml)

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

<selector *xmlns:android*="http://schemas.android.com/apk/res/android">

<item>

<shape *android:shape*="rectangle">

<solid *android:color*="#03A9F4"/>

<corners *android:radius*="1000dp"/>

</shape>

</item>

</selector>

Code For JAVA File : (MainActivity.java)

*package* com.example.myapplication\_2;

*import* android.content.Intent;

*import* android.os.Bundle;

*import* android.widget.Button;

*import* android.widget.EditText;

*import* androidx.appcompat.app.AppCompatActivity;

*public class* MainActivity *extends* AppCompatActivity {

EditText ed;

@Override

*protected void* onCreate(Bundle savedInstanceState) {

*super*.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

ed = findViewById(R.id.*Email*);

Button button1 = findViewById(R.id.*button2*);

button1.setOnClickListener(v -> openregister\_form());

}

*public void* openregister\_form() {

Intent intent = *new* Intent(*this*,Register\_form.*class*);

startActivity(intent);

}

}

Code For ACTIVITY 2 JAVA File : (Register\_form.java)

*package* com.example.myapplication\_2;

*import* androidx.appcompat.app.AppCompatActivity;

*import* android.os.Bundle;

*public class* Register\_form *extends* AppCompatActivity {

@Override

*protected void* onCreate(Bundle savedInstanceState) {

*super*.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_register\_form*);

}

}

SCREENSHOTS:

   