**Practical-3: Registration Form**

**activity\_main.xml:**

<?xml version="1.0" encoding="utf-8"?>  
<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"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/TextView1"  
 android:layout\_width="83dp"  
 android:layout\_height="42dp"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="48dp"  
 android:text="@string/name"  
 android:textSize="24sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <EditText  
 android:id="@+id/name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="48dp"  
 android:layout\_marginEnd="16dp"  
 android:autofillHints="Name"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:minHeight="48dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="1.0"  
 app:layout\_constraintStart\_toEndOf="@+id/TextView1"  
 app:layout\_constraintTop\_toTopOf="parent"  
 tools:ignore="LabelFor,SpeakableTextPresentCheck" />  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="112dp"  
 android:layout\_height="44dp"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="28dp"  
 android:text="@string/enroll\_no"  
 android:textSize="24sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/TextView1" />  
  
 <EditText  
 android:id="@+id/enroll"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="24dp"  
 android:layout\_marginEnd="16dp"  
 android:ems="10"  
 android:inputType="number"  
 android:minHeight="48dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/name"  
 tools:ignore="Autofill,LabelFor,SpeakableTextPresentCheck" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="101dp"  
 android:layout\_height="45dp"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="28dp"  
 android:text="@string/gender"  
 android:textSize="24sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView" />  
  
 <RadioGroup  
 android:id="@+id/radioGroup"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="28dp"  
 android:orientation="horizontal"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.511"  
 app:layout\_constraintStart\_toEndOf="@+id/textView2"  
 app:layout\_constraintTop\_toBottomOf="@+id/enroll">  
  
 <RadioButton  
 android:id="@+id/Male"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:text="@string/male" />  
  
 <RadioButton  
 android:id="@+id/Female"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/female" />  
 </RadioGroup>  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="86dp"  
 android:layout\_height="38dp"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="28dp"  
 android:text="@string/e\_mail"  
 android:textSize="24sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView2" />  
  
 <EditText  
 android:id="@+id/mail"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="16dp"  
 android:autofillHints="abc.xyz@pqr.com"  
 android:ems="10"  
 android:inputType="textEmailAddress"  
 android:minHeight="48dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.816"  
 app:layout\_constraintStart\_toEndOf="@+id/textView3"  
 app:layout\_constraintTop\_toBottomOf="@+id/radioGroup"  
 tools:ignore="LabelFor,SpeakableTextPresentCheck" />  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="143dp"  
 android:layout\_height="36dp"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="28dp"  
 android:text="@string/department"  
 android:textSize="24sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView3" />  
  
 <RadioGroup  
 android:id="@+id/radioGroup2"  
 android:layout\_width="180dp"  
 android:layout\_height="281dp"  
 android:layout\_marginTop="24dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.51"  
 app:layout\_constraintStart\_toEndOf="@+id/textView4"  
 app:layout\_constraintTop\_toBottomOf="@+id/mail">  
  
 <RadioButton  
 android:id="@+id/mech"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/mechanical" />  
  
 <RadioButton  
 android:id="@+id/elec"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/electrical" />  
  
 <RadioButton  
 android:id="@+id/chem"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/chemical" />  
  
 <RadioButton  
 android:id="@+id/civil"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/civil" />  
  
 <RadioButton  
 android:id="@+id/comp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/computer" />  
  
 <RadioButton  
 android:id="@+id/IT"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:minHeight="48dp"  
 android:text="@string/i\_t"  
 tools:ignore="TouchTargetSizeCheck" />  
 </RadioGroup>  
  
 <Button  
 android:id="@+id/Submit"  
 android:layout\_width="267dp"  
 android:layout\_height="63dp"  
 android:text="@string/submit"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/radioGroup2" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.java:**

package com.example.practical\_3;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.RadioButton;  
  
public class MainActivity extends AppCompatActivity {  
  
 public String gender;  
 public String Department;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
  
 EditText name = (EditText) findViewById(R.id.name);  
 EditText no = (EditText) findViewById(R.id.enroll);  
 EditText mail = (EditText) findViewById(R.id.mail);  
 RadioButton M = (RadioButton) findViewById(R.id.Male);  
 RadioButton F = (RadioButton) findViewById(R.id.Female);  
 RadioButton mech = (RadioButton) findViewById(R.id.mech);  
 RadioButton elec = (RadioButton) findViewById(R.id.elec);  
 RadioButton civil = (RadioButton) findViewById(R.id.civil);  
 RadioButton chem = (RadioButton) findViewById(R.id.chem);  
 RadioButton comp = (RadioButton) findViewById(R.id.comp);  
 RadioButton it = (RadioButton) findViewById(R.id.IT);  
 Button submit = (Button) findViewById(R.id.Submit);  
  
 M.setOnClickListener(view -> gender = M.getText().toString());  
  
 F.setOnClickListener(view -> gender = F.getText().toString());  
  
 mech.setOnClickListener(view -> Department = mech.getText().toString());  
  
 elec.setOnClickListener(view -> Department = elec.getText().toString());  
  
 chem.setOnClickListener(view -> Department = chem.getText().toString());  
  
 civil.setOnClickListener(view -> Department = civil.getText().toString());  
  
 comp.setOnClickListener(view -> Department = comp.getText().toString());  
  
 it.setOnClickListener(view -> Department = it.getText().toString());  
  
 submit.setOnClickListener(view -> {  
 Intent snd = new Intent(MainActivity.this, Details.class);  
 String Nm = name.getText().toString();  
 String e\_no = no.getText().toString();  
 String email = mail.getText().toString();  
 snd.putExtra("Name",Nm);  
 snd.putExtra("Enrollment\_No",e\_no);  
 snd.putExtra("Email",email);  
 snd.putExtra("Gender",gender);  
 snd.putExtra("Department",Department);  
 startActivity(snd);  
 });  
  
 }  
}

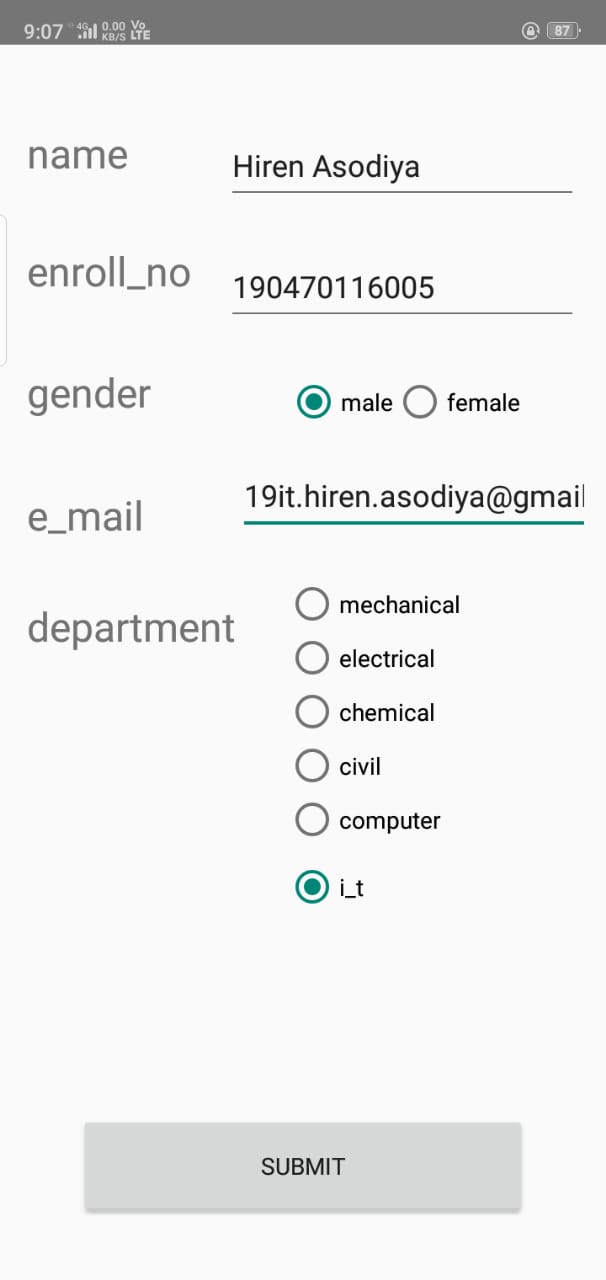
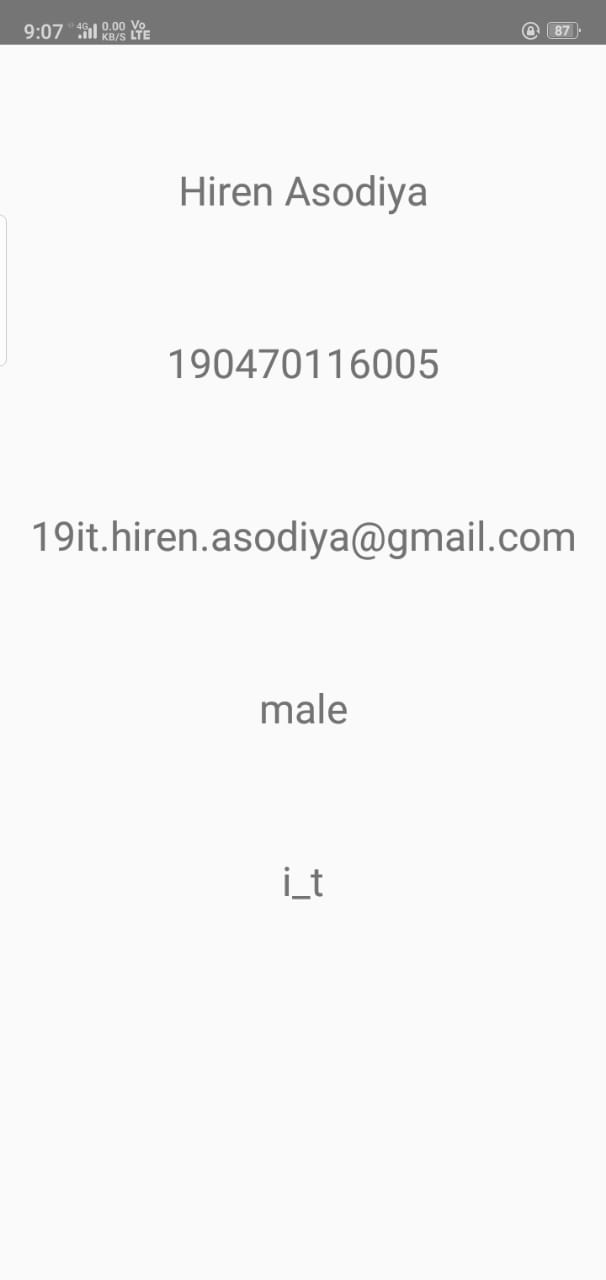
**activity\_details.xml:**

<?xml version="1.0" encoding="utf-8"?>  
<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"  
 tools:context=".Details">  
  
 <TextView  
 android:id="@+id/Tv1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="70dp"  
 android:text="@string/name"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
 android:id="@+id/Tv2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="70dp"  
 android:text="@string/enroll\_no"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/Tv1" />  
  
 <TextView  
 android:id="@+id/Tv3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="70dp"  
 android:text="@string/e\_mail"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/Tv2" />  
  
 <TextView  
 android:id="@+id/Tv4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="70dp"  
 android:text="@string/gender"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/Tv3" />  
  
 <TextView  
 android:id="@+id/Tv5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="70dp"  
 android:text="@string/department"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/Tv4" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**Details.java:**

package com.example.practical\_3;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.widget.TextView;  
  
public class Details extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_details);  
  
 TextView tv1 = (TextView) findViewById(R.id.Tv1);  
 TextView tv2 = (TextView) findViewById(R.id.Tv2);  
 TextView tv3 = (TextView) findViewById(R.id.Tv3);  
 TextView tv4 = (TextView) findViewById(R.id.Tv4);  
 TextView tv5 = (TextView) findViewById(R.id.Tv5);  
  
 Intent rcv = getIntent();  
 String Nme = rcv.getStringExtra("Name");  
 String enrollment = rcv.getStringExtra("Enrollment\_No");  
 String E\_mail = rcv.getStringExtra("Email");  
 String Gender = rcv.getStringExtra("Gender");  
 String Department = rcv.getStringExtra("Department");  
  
 tv1.setText(Nme);  
 tv2.setText(enrollment);  
 tv3.setText(E\_mail);  
 tv4.setText(Gender);  
 tv5.setText(Department);  
  
 }  
}

**Output:**

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