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ROLLNO:20211CSE0208

SECTION:5CSE-4

EXPERIMENT-3: REGISTRATION FORM

1.XML FILE:

```
<?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"
    android:background="#C6DCAD"
    android:scrollbarSize="5dp"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="233dp"
        android:layout_height="44dp"
        android:background="#59D85E"
        android:fontFamily="sans-serif-black"
        android:text="Registration Form"
        android:textColor="#E91E63"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.539"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.161" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:fontFamily="sans-serif-black"
        android:text="Name"
        android:textSize="20dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.094"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.251" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:fontFamily="sans-serif-black"
        android:text="Roll Number"
        android:textSize="20dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.101"
```

```

        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.359" />

<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="sans-serif-black"
    android:text="Gender"
    android:textSize="20dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.086"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.632" />

<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="#B7D595"
    android:fontFamily="sans-serif-black"
    android:text="Place"
    android:textSize="20dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.094"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.765" />

<EditText
    android:id="@+id/edittext1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="text"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.875"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.258" />

<EditText
    android:id="@+id/editTextText2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="text"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.88"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.355" />

<RadioGroup
    android:id="@+id/gendergrp"

```

```
android:layout_width="248dp"
android:layout_height="52dp"
android:orientation="horizontal"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.742"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.642">
```

```
<RadioButton
```

```
    android:layout_width="104dp"
    android:layout_height="wrap_content"
    android:fontFamily="sans-serif-black"
    android:text="Male" />
```

```
<RadioButton
```

```
    android:layout_width="104dp"
    android:layout_height="wrap_content"
    android:fontFamily="sans-serif-black"
    android:text="Female" />
```

```
</RadioGroup>
```

```
<AutoCompleteTextView
```

```
    android:id="@+id/locations"
    android:layout_width="200dp"
    android:layout_height="49dp"
    android:orientation="horizontal"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.587"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.778" />
```

```
<Button
```

```
    android:id="@+id/submit"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Sign in"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.465"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.882" />
```

```
<ImageButton
```

```
    android:id="@+id/imageButton4"
    android:layout_width="500dp"
    android:layout_height="79dp"
    android:background="#CADD4"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.505"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.049"
    app:srcCompat="@mipmap/ic_launcher_foreground" />
```

```
<EditText
    android:id="@+id/editTextText3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="text"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.88"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.451" />
```

```
<EditText
    android:id="@+id/editTextText4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="text"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.885"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.54" />
```

```
<TextView
    android:id="@+id/textView5"
    android:layout_width="89dp"
    android:layout_height="37dp"
    android:fontFamily="sans-serif-black"
    android:text="School"
    android:textSize="20dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.107"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.446" />
```

```
<TextView
    android:id="@+id/textView6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="36dp"
    android:layout_marginLeft="36dp"
    android:fontFamily="sans-serif-black"
    android:text="Program"
    android:textSize="20dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.526" />
```

```
<TextView
    android:id="@+id/res1"
    android:layout_width="365dp"
    android:layout_height="64dp"
    android:text="TextView"
    app:layout_constraintBottom_toBottomOf="parent"
```

```
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.739"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.976" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

2.JAVA FILE:

```
package com.example.rf_208;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.os.Bundle;

import android.view.View;
import android.widget.AdapterView;
import android.widget.Button;
import android.widget.AutoCompleteTextView;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity
{
    EditText name,roll_no,school,program;
    AutoCompleteTextView places;
    RadioButton rd;
    RadioGroup rg;
    Button btn;
    TextView tv;
    String[]
locations={"bangalore","hyderabad","bombay","delhi","pune","chennai","keral
a"};
    @SuppressLint("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        name=findViewById (R.id.edittext1);
        roll_no=findViewById (R.id.editTextText2);
        school=findViewById(R.id.editTextText3);
        program=findViewById(R.id.editTextText4);
        places=findViewById (R.id.locations);
        btn=findViewById (R.id.submit);
        tv=findViewById(R.id.res1);
        ArrayAdapter adapter=new ArrayAdapter
(this,android.R.layout.select_dialog_item,locations);
        places.setThreshold (1);
        places.setAdapter (adapter);
        rg=findViewById (R.id.gendergrp);
        rg.setOnCheckedChangeListener (new
RadioGroup.OnCheckedChangeListener () {
            @Override
```

```

        public void onCheckedChanged(RadioGroup radioGroup, int i) {
            rd=findViewById (i);

        }
    });
    btn.setOnClickListener (new View.OnClickListener() {
        @Override
        public void onClick(View v){
            String res1="Name:"+name.getText().toString()+"\nRoll_no:
"+roll_no.getText().toString()+"\nSchool: "
+school.getText().toString()+"\nProgram:
"+program.getText().toString()+"\nGender: "+rd.getText()+"Place:
"+places.getText().toString();
            tv.setText(res1.toString());

//Toast.makeText(MainActivity.this,res1,Toast.LENGTH_SHORT).show();
        }
    });
}
}

```

3.OUTPUT:

A smartphone screen displaying a registration form for Presidency University. The form has a green background and includes fields for Name, Roll Number, School, Program, Gender, and Place. A "Sign in" button is at the bottom. The phone's status bar at the top shows the time 6:51 and battery level.

PRESIDENCY UNIVERSITY

Registration Form

Name AKSHATA

Roll Number 20211CSE0208

School ENGINEERING

Program BTECH

Gender ☐ Male ☒ Female

Place bangalore

Sign in

Name:AKSHATA
Roll_no: 20211CSE0208
School: ENGINEERING
Program: BTECH