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SECTION:5CSE-4

EXPERIMENT5-CHECKING VOTING ELIGIBILITY

1.ACTIVITY_MAIN1.XML FILE:

```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"
    android:background="@drawable/img"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/tv"
        android:layout_width="214dp"
        android:layout_height="48dp"
        android:text="VOTER ELIGIBILITY"
        android:textAlignment="center"
        android:textColor="#9C27B0"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.422"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.057" />

    <EditText
        android:id="@+id/editTextText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="enter your name"
        android:inputType="text"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.183" />

    <EditText
        android:id="@+id/editTextText2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Date of Birth"
        android:inputType="text"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.502"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
```

```
            app:layout_constraintVertical_bias="0.316" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Button"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.499" />

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

2.MAINACTIVITY1.JAVA-FILE:

```java
package com.example.voter;

import androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.Toast;

import java.util.Calendar;

public class MainActivity extends AppCompatActivity {
    EditText ed1, ed2;
    Button bt;
    int diff;
    String limit;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        ed1 = findViewById(R.id.editTextText);
        ed2 = findViewById(R.id.editTextText2);
        bt = findViewById(R.id.button);
        ed2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Calendar c = Calendar.getInstance();
                int pYear = c.get(Calendar.YEAR);
                int pMonth = c.get(Calendar.MONTH);
                int pDate = c.get(Calendar.DATE);
                DatePickerDialog datePickerDialog = new
DatePickerDialog(MainActivity.this,
android.R.style.Theme_DeviceDefault_DialogWhenLarge, new
DatePickerDialog.OnDateSetListener() {
                    @Override
                    public void onDateSet(DatePicker datePicker, int i, int
i1, int i2) {
                        ed2.setText(i2 + "/" + (i1 + 1) + "/" + i);
```

```
                diff = pYear - i;
            }
        }, pYear, pMonth, pDate);
        datePickerDialog.show();
    }
});
bt.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new Intent(MainActivity.this,
MainActivity2.class);
        String name = ed1.getText().toString();
        int age = diff;
        intent.putExtra("name", name);
        intent.putExtra("age", age);
        startActivity(intent);


        if (diff <= 18)
            limit = "Eligible";
        else
            limit = "Not Eligible";
        Toast.makeText(MainActivity.this, ed1.getText().toString()
+ limit, Toast.LENGTH_SHORT).show();
    }
});
    }
}
```

3.MAINACTIVITY2.XML-FILE:

```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"
    android:background="@drawable/img"
    tools:context=".MainActivity2">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="149dp"
        android:layout_height="60dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.435"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.344" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="126dp"
        android:layout_height="39dp"
        android:text="RESULTS"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
```

```
        app:layout_constraintHorizontal_bias="0.45"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.143" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

4.MAINACTIVITY2.JAVA-FILE:

```java
package com.example.voter;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;

public class MainActivity2 extends AppCompatActivity {

    TextView tv;
    String limit;
    int diff;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        tv=findViewById(R.id.textView2);
        Intent intent=getIntent();
        String name = intent.getStringExtra("name");
        int age = intent.getIntExtra("age",0);
        tv.setText(name+" "+age);
        if (diff<=18) {
            tv.setText("name: "+name+"\nYou are eligible to vote");

        }
        else
            tv.setText("name: " + name+ "\nYou are not eligible to vote");


    }
}
```

5.OUTPUT:

VOTER ELIGIBILITY

Akshata

5/9/2003

Button

2003
Fri, Sep 5

September 2003

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Cancel   OK

RESULTS

name: akshata
You are eligible to vote