

## EXP 4

### activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<!-- activity_main.xml -->
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"

    android:padding="16dp"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/textViewSubject"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Select Subject:"
        android:layout_marginTop="20dp"/>
    <Spinner
        android:id="@+id/spinnerSubject"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@id/textViewSubject"
        android:layout_marginTop="10dp"
        android:minHeight="48dp" />
    <TextView
        android:id="@+id/textViewGender"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Gender:"
        android:layout_below="@id/spinnerSubject"
        android:layout_marginTop="20dp"/>

    <RadioGroup
        android:id="@+id/radioGroupGender"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@id/textViewGender"
        android:orientation="horizontal">
        <RadioButton
            android:id="@+id/radioButtonMale"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
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        android:text="Male"/>
<RadioButton
    android:id="@+id/radioButtonFemale"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Female"/>
</RadioGroup>
<TextView
    android:id="@+id/textViewQualification"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"

    android:text="Qualification:"
    android:layout_below="@id/radioGroupGender"
    android:layout_marginTop="20dp"/>
<CheckBox
    android:id="@+id/checkBoxBachelor"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Bachelor's Degree"
    android:layout_below="@id/textViewQualification"
    android:layout_marginTop="10dp"/>
<CheckBox
    android:id="@+id/checkBoxMaster"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Master's Degree"
    android:layout_below="@id/checkBoxBachelor"
    android:layout_marginTop="10dp"/>
<Button
    android:id="@+id/buttonSubmit"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Submit"

    android:layout_below="@id/checkBoxMaster"
    android:layout_marginTop="20dp"/>
</RelativeLayout>

```

## **MainActivity.java**

```

package com.example.demo4;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Spinner;
import android.widget.Toast;
import java.util.ArrayList;
import java.util.List;

public class MainActivity extends AppCompatActivity {
    private Spinner spinnerSubject;
    private RadioGroup radioGroupGender;
    private CheckBox checkBoxBachelor, checkBoxMaster;
    private Button buttonSubmit;

    @Override

    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        spinnerSubject = findViewById(R.id.spinnerSubject);
        radioGroupGender = findViewById(R.id.radioGroupGender);
        checkBoxBachelor = findViewById(R.id.checkBoxBachelor);
        checkBoxMaster = findViewById(R.id.checkBoxMaster);
        buttonSubmit = findViewById(R.id.buttonSubmit);
        List<String> subjects = new ArrayList<>();
        subjects.add("Mathematics");
        subjects.add("Science");
        subjects.add("History");
        ArrayAdapter<String> adapter = new ArrayAdapter<>(this,
            android.R.layout.simple_spinner_item, subjects);
        adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinnerSubject.setAdapter(adapter);
        buttonSubmit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

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        submitForm();
    }
});
}

private void submitForm() {
    String selectedSubject = spinnerSubject.getSelectedItem().toString();
    int selectedGenderId = radioGroupGender.getCheckedRadioButtonId();
    RadioButton selectedGender = findViewById(selectedGenderId);
    String gender = selectedGender.getText().toString();
    StringBuilder qualifications = new StringBuilder();
    if (checkBoxBachelor.isChecked()) {
        qualifications.append("Bachelor's Degree, ");
    }
    if (checkBoxMaster.isChecked()) {
        qualifications.append("Master's Degree, ");
    }
    if (qualifications.length() > 0) {
        qualifications.delete(qualifications.length() - 2, qualifications.length());
    }
    Intent intent = new Intent(MainActivity.this, DisplayDataActivity.class);
    intent.putExtra("subject", selectedSubject);
    intent.putExtra("gender", gender);
    intent.putExtra("qualifications", qualifications.toString());
    startActivity(intent);
}
}

```

## **DisplayDataActivity.java**

```

package com.example.demo4;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;
public class DisplayDataActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_display_data);
        TextView textViewDisplayData = findViewById(R.id.textViewDisplayData);
        Bundle extras = getIntent().getExtras();
        if (extras != null) {
            String subject = extras.getString("subject");
            String gender = extras.getString("gender");

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        String qualifications = extras.getString("qualifications");
        String message = "Subject: " + subject + "\nGender: " + gender + "\nQualification: " +
            qualifications;
        textViewDisplayData.setText(message);
    }
}
}

```

## **activity display data.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:gravity="center"
    tools:context=".DisplayDataActivity">
    <TextView
        android:id="@+id/textViewDisplayData"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="18sp"
        android:text="Hello"
        android:layout_gravity="center"
        android:padding="16dp"/>
</LinearLayout>

```