Expt 5  
  
activity\_main.xml

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

<LinearLayout

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:layout\_gravity="center"

android:padding="10dp">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select Subject" />

<Spinner

android:id="@+id/subjectSpinner"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:entries="@array/subjects" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select Gender" />

<RadioGroup

android:id="@+id/genderRadioGroup"

android:layout\_width="match\_parent"

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

<RadioButton

android:id="@+id/maleRadioButton"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Male" />

<RadioButton

android:id="@+id/femaleRadioButton"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Female" />

</RadioGroup>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select Qualification" />

<CheckBox

android:id="@+id/qualificationCheckbox1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Bachelors" />

<CheckBox

android:id="@+id/qualificationCheckbox2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Masters" />

<Button

android:id="@+id/submitButton"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Submit" />

</LinearLayout>

activity\_show.xml(res/layout/activity\_show.xml)

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:layout\_gravity="center"

android:padding="16dp">

<TextView

android:id="@+id/subjectTextView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Subject:" />

<TextView

android:id="@+id/genderTextView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Gender:" />

<TextView

android:id="@+id/qualificationsTextView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Qualifications:" />

</LinearLayout>

Android\_Manifest.xml

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

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

xmlns:tools="http://schemas.android.com/tools">

<application

android:allowBackup="true"

android:dataExtractionRules="@xml/data\_extraction\_rules"

android:fullBackupContent="@xml/backup\_rules"

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

android:label="@string/app\_name"

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

android:supportsRtl="true"

android:theme="@style/Theme.Expt5"

tools:targetApi="31">

<activity

android:name=".MainActivity"

android:exported="true">

<intent-filter>

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

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

</intent-filter>

</activity>

<activity

android:name=".ShowActivity"

android:exported="true"/>

</application>

</manifest>

MainActivity.java

package com.example.expt5;

import android.content.\*;

import android.os.Bundle;

import android.widget.\*;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

Spinner subjectSpinner;

RadioGroup genderRadioGroup;

CheckBox qualification1, qualification2;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

subjectSpinner = findViewById(R.id.subjectSpinner);

genderRadioGroup = findViewById(R.id.genderRadioGroup);

qualification1 = findViewById(R.id.qualificationCheckbox1);

qualification2 = findViewById(R.id.qualificationCheckbox2);

Button submitButton = findViewById(R.id.submitButton);

submitButton.setOnClickListener(v -> {

String subject = subjectSpinner.getSelectedItem() + "";

int genderId = genderRadioGroup.getCheckedRadioButtonId();

String gender = genderId != -1 ? ((RadioButton) findViewById(genderId)).getText().toString() : "Not Selected";

String q = "";

if (qualification1.isChecked()) q += "Bachelors ";

if (qualification2.isChecked()) q += "Masters";

SharedPreferences.Editor editor = getSharedPreferences("RegistrationData", MODE\_PRIVATE).edit();

editor.putString("subject", subject);

editor.putString("gender", gender);

editor.putString("qualifications", q.trim());

editor.apply();

Intent i = new Intent(this, ShowActivity.class);

i.putExtra("subject", subject);

i.putExtra("gender", gender);

i.putExtra("qualifications", q.trim());

startActivity(i);

});

}

}

ShowActivity.java

package com.example.expt5;

import android.content.SharedPreferences;

import android.os.Bundle;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class ShowActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_show);

TextView subject = findViewById(R.id.subjectTextView);

TextView gender = findViewById(R.id.genderTextView);

TextView qual = findViewById(R.id.qualificationsTextView);

SharedPreferences sp = getSharedPreferences("RegistrationData", MODE\_PRIVATE);

subject.setText("Subject: " + sp.getString("subject", ""));

gender.setText("Gender: " + sp.getString("gender", ""));

qual.setText("Qualifications: " + sp.getString("qualifications", ""));

}

}

Array.xml(res/values/arrays.xml)

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

<resources>

<string-array name="subjects">

<item>Mathematics</item>

<item>Physics</item>

<item>Chemistry</item>

<item>Biology</item>

<item>Computer Science</item>

</string-array>

</resources>