Create a Registration form and Display its data on another activity

Code:

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout_width="match_parent"
   android:layout_height="match_parent"
   android:padding="16dp">

   <LinearLayout
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:orientation="vertical">

      <!-- Name Field -->
      <TextView
         android:layout_width="wrap_content"
         android:layout_height="wrap_content"
         android:text="Name"
         android:textSize="18sp" />

      <EditText
         android:id="@+id/editTextName"
         android:layout_width="match_parent"
         android:layout_height="wrap_content"
         android:hint="Enter your name" />

      <!-- Age Field -->
      <TextView
         android:layout_width="wrap_content"
         android:layout_height="wrap_content"
         android:text="Age"
         android:textSize="18sp"
         android:layout_marginTop="16dp" />

      <EditText
         android:id="@+id/editTextAge"
         android:layout_width="match_parent"
         android:layout_height="wrap_content"
         android:hint="Enter your age"
```

```
    android:inputType="number" />

<!-- Gender Selection -->
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Gender"
    android:textSize="18sp"
    android:layout_marginTop="16dp" />

<RadioGroup
    android:id="@+id/radioGroupGender"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <RadioButton
        android:id="@+id/radioMale"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Male" />

    <RadioButton
        android:id="@+id/radioFemale"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Female" />

    <RadioButton
        android:id="@+id/radioOther"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Other" />
</RadioGroup>

<!-- Courses Checkboxes -->
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Select Courses"
    android:textSize="18sp"
    android:layout_marginTop="16dp" />
```

```
    <CheckBox
        android:id="@+id/checkboxCourse1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Course 1" />

    <CheckBox
        android:id="@+id/checkboxCourse2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Course 2" />

    <CheckBox
        android:id="@+id/checkboxCourse3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Course 3" />

    <!-- Rating Bar -->
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Rate Us"
        android:textSize="18sp"
        android:layout_marginTop="16dp" />

    <RatingBar
        android:id="@+id/ratingBar"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:numStars="5"
        android:stepSize="1.0" />

    <!-- Submit Button -->
    <Button
        android:id="@+id/buttonSubmit"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Submit"
        android:layout_marginTop="20dp"
        android:layout_gravity="center_horizontal" />
  </LinearLayout>
</ScrollView>
```

Acivity_second.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:padding="16dp">

    <!-- Display the registration details -->
    <TextView
        android:id="@+id/textViewDetails"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="18sp"
        android:textColor="#000000" />

    <!-- Progress Bar to show the rating -->
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Rating Progress"
        android:textSize="18sp"
        android:layout_marginTop="20dp" />

    <ProgressBar
        android:id="@+id/progressBarRating"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:progress="0"
        android:max="5"
        style="?android:attr/progressBarStyleHorizontal" />
</LinearLayout>
```

MainActivity.java

```
package com.example.registartionform;
```

```
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.RatingBar;
import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    private EditText editTextName, editTextAge;
    private RadioGroup radioGroupGender;
    private CheckBox checkboxCourse1, checkboxCourse2, checkboxCourse3;
    private RatingBar ratingBar;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        editTextName = findViewById(R.id.editTextName);
        editTextAge = findViewById(R.id.editTextAge);
        radioGroupGender = findViewById(R.id.radioGroupGender);
        checkboxCourse1 = findViewById(R.id.checkboxCourse1);
        checkboxCourse2 = findViewById(R.id.checkboxCourse2);
        checkboxCourse3 = findViewById(R.id.checkboxCourse3);
        ratingBar = findViewById(R.id.ratingBar);
        Button buttonSubmit = findViewById(R.id.buttonSubmit);

        buttonSubmit.setOnClickListener(view -> submitForm());
    }

    private void submitForm() {
        // Check if name and age fields are filled
        String name = editTextName.getText().toString().trim();
        String age = editTextAge.getText().toString().trim();

        if (name.isEmpty() || age.isEmpty()) {
```

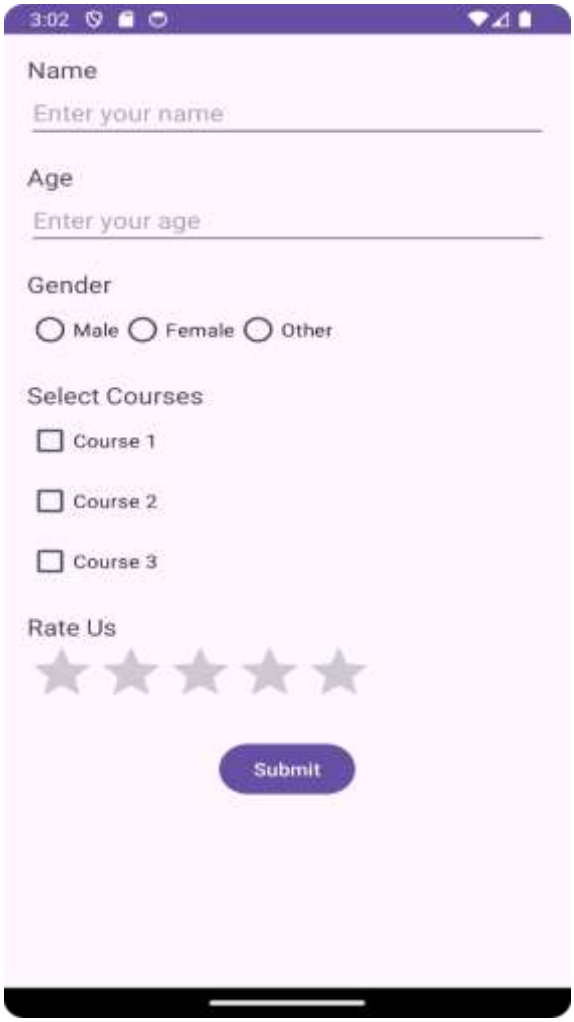
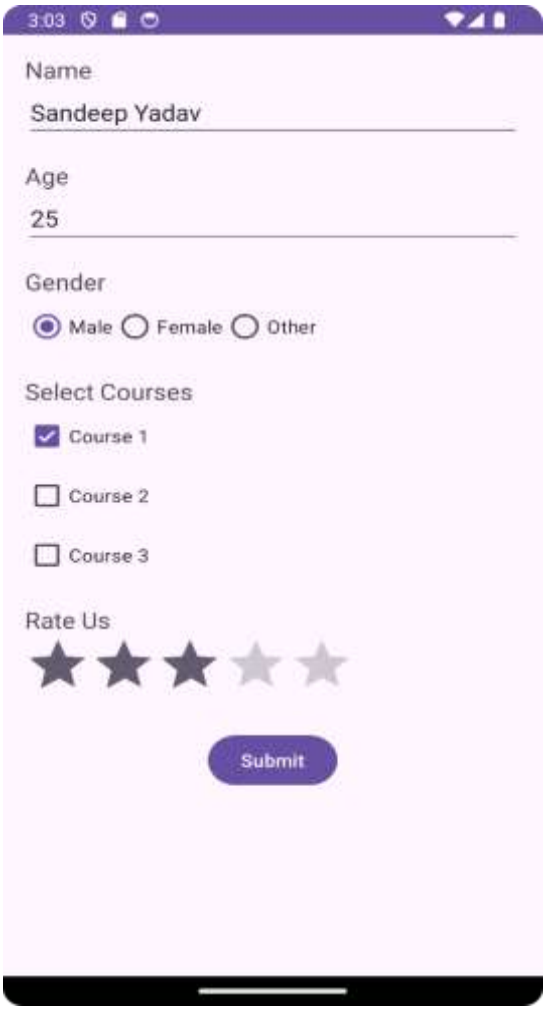
```
            Toast.makeText(this, "Please enter both name and age",
Toast.LENGTH_SHORT).show();
            return;
        }

        // Check if gender is selected
        int selectedGenderId = radioGroupGender.getCheckedRadioButtonId();
        if (selectedGenderId == -1) {
            Toast.makeText(this, "Please select your gender",
Toast.LENGTH_SHORT).show();
            return;
        }

        // Get gender text
        String gender = ((RadioButton)
findViewById(selectedGenderId)).getText().toString();

        // Get selected courses
        StringBuilder courses = new StringBuilder();
        if (checkboxCourse1.isChecked()) courses.append("Course 1 ");
        if (checkboxCourse2.isChecked()) courses.append("Course 2 ");
        if (checkboxCourse3.isChecked()) courses.append("Course 3 ");

        float rating = ratingBar.getRating();

        // Start DisplayActivity with the gathered information
        Intent intent = new Intent(MainActivity.this, DisplayActivity.class);
        intent.putExtra("name", name);
        intent.putExtra("age", age);
        intent.putExtra("gender", gender);
        intent.putExtra("courses", courses.toString());
        intent.putExtra("rating", rating);
        startActivity(intent);
    }
}
```

DisplayActivity.java

```
package com.example.registartionform;

import android.os.Bundle;
import android.widget.ProgressBar;
import android.widget.TextView;
```

```
import androidx.appcompat.app.AppCompatActivity;

public class DisplayActivity extends AppCompatActivity {

    private TextView textViewDetails;
    private ProgressBar progressBarRating;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_second);

        textViewDetails = findViewById(R.id.textViewDetails);
        progressBarRating = findViewById(R.id.progressBarRating);

        // Get the data passed from MainActivity
        String name = getIntent().getStringExtra("name");
        String age = getIntent().getStringExtra("age");
        String gender = getIntent().getStringExtra("gender");
        String courses = getIntent().getStringExtra("courses");
        float rating = getIntent().getFloatExtra("rating", 0);

        // Display the data
        String details = "Name: " + name + "\n" +
                "Age: " + age + "\n" +
                "Gender: " + gender + "\n" +
                "Courses: " + courses + "\n" +
                "Rating: " + rating + " stars";
        textViewDetails.setText(details);

        // Set the progress of the ProgressBar based on the rating
        progressBarRating.setProgress((int) rating);
    }
}
```

Output:

Empty Form:-	**Filled Form:-**
	

Submitted Form:-

3:03
Name: Sandeep Yadav
Age: 25
Gender: Male
Courses: Course 1 Course 2
Rating: 3.0 stars
Rating Progress