

## 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>
```

## Activity\_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);

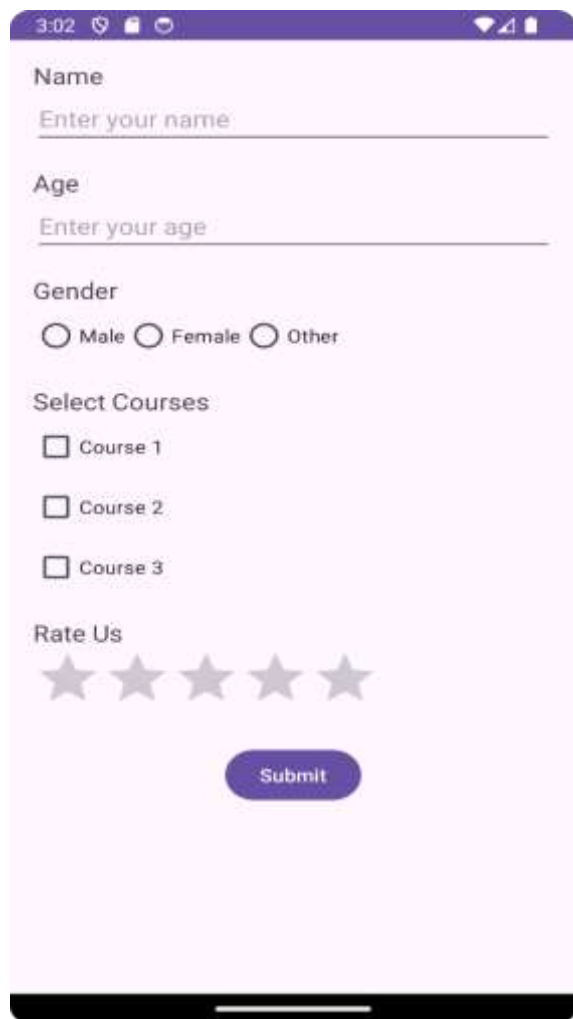
        // Display the data
        String details = "Name: " + name + "\n" +
            "Age: " + age + "\n" +
            "Gender: " + gender + "\n" +
            "Courses: " + courses + "\n" +
            "Rating: " + rating + " stars";
        textViewDetails.setText(details);

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

```

**Output:**

### Empty Form:-

A screenshot of a mobile application form in its empty state. The form has a light pink background and is displayed on a device with a purple status bar at the top showing the time 3:02. The form contains the following fields: a 'Name' field with the placeholder text 'Enter your name', an 'Age' field with the placeholder text 'Enter your age', a 'Gender' section with three radio button options labeled 'Male', 'Female', and 'Other', a 'Select Courses' section with three unchecked checkboxes labeled 'Course 1', 'Course 2', and 'Course 3', and a 'Rate Us' section with five gray star icons. A purple 'Submit' button is located at the bottom center of the form.

3:02

Name

Enter your name

Age

Enter your age

Gender

☐ Male ☐ Female ☐ Other

Select Courses

☐ Course 1

☐ Course 2

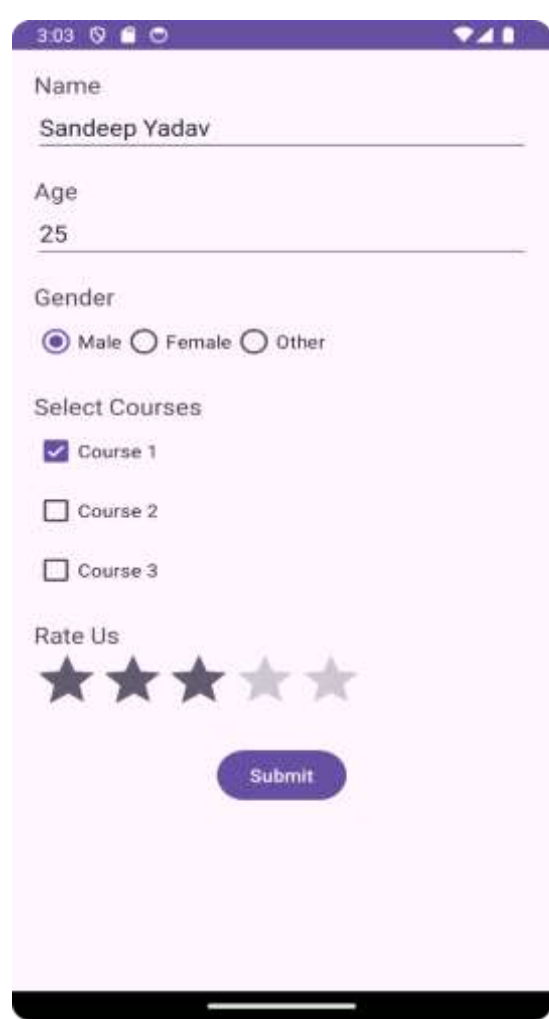
☐ Course 3

Rate Us

★★★★★

Submit

### Filled Form:-

A screenshot of the same mobile application form, but now it is filled out. The status bar at the top shows the time 3:03. The 'Name' field contains the text 'Sandeep Yadav'. The 'Age' field contains the text '25'. The 'Gender' section has the 'Male' radio button selected. The 'Select Courses' section has the 'Course 1' checkbox checked. The 'Rate Us' section has the first three of the five star icons filled with dark blue. The purple 'Submit' button remains at the bottom center.

3:03

Name

Sandeep Yadav

Age

25

Gender

☒ Male ☐ Female ☐ Other

Select Courses

☒ Course 1

☐ Course 2

☐ Course 3

Rate Us

★★★☆☆

Submit

### Submitted Form:-



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

Rating Progress

