**4th**

**Activity\_Main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*<RelativeLayout  
 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"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Select the Year"  
 android:textStyle="bold"  
 android:layout\_marginLeft="10dp"  
 android:textSize="20sp"/>  
  
 *<!-- add RadioGroup which contain the many RadioButton-->* <RadioGroup  
 android:layout\_marginTop="50dp"  
 android:id="@+id/groupradio"  
 android:layout\_marginLeft="10dp"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content">  
  
 *<!-- In RadioGroup create the 1 Radio Button-->  
 <!-- like this we will add some more Radio Button-->* <RadioButton  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/radia\_id1"  
 android:text="First year"  
 android:textSize="20sp"/>  
  
 <RadioButton  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/radia\_id2"  
 android:text="Second Year"  
 android:textSize="20sp"/>  
  
 <RadioButton  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/radia\_id3"  
 android:text="Third year"  
 android:textSize="20sp"/>  
  
 <RadioButton  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/radia\_id4"  
 android:text="Fourth year"  
 android:textSize="20sp"/>  
 </RadioGroup>  
  
 *<!-- add button For Submit the Selected item-->* <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Submit"  
 android:id="@+id/submit"  
 android:textStyle="bold"  
 android:textSize="20sp"  
 android:layout\_marginTop="300dp"  
 android:layout\_marginLeft="180dp"  
 />  
  
 *<!-- add clear button for clear the selected item-->* <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Clear"  
 android:id="@+id/clear"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 android:layout\_marginTop="300dp"  
 android:layout\_marginLeft="20dp"  
 />  
  
</RelativeLayout>

MainActivity.java

import androidx.appcompat.app.AppCompatActivity;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.RadioButton;  
import android.widget.RadioGroup;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 private RadioGroup radioGroup;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 Button submit = findViewById(R.id.*submit*);  
 Button clear = findViewById(R.id.*clear*);  
 radioGroup = findViewById(R.id.*groupradio*);  
 radioGroup.clearCheck();  
  
 submit.setOnClickListener(v -> {  
 int selectedId = radioGroup.getCheckedRadioButtonId();  
 if (selectedId == -1) {  
 Toast.*makeText*(this, "No answer has been selected", Toast.*LENGTH\_SHORT*).show();  
 } else {  
 RadioButton radioButton = findViewById(selectedId);  
 Toast.*makeText*(this, radioButton.getText(), Toast.*LENGTH\_SHORT*).show();  
 startActivity(new Intent(MainActivity.this, yearwiseActivity.class));  
 }  
 });  
  
 clear.setOnClickListener(v -> radioGroup.clearCheck());  
 }  
}

**activity\_yearwise.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:background="#ffffff"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="48dp"  
 android:text="Choose your Certification course"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <CheckBox  
 android:id="@+id/checkBox"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="python"  
 android:layout\_marginTop="16dp"  
 android:textSize="18sp" />  
  
 <CheckBox  
 android:id="@+id/checkBox2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="AWS Services"  
 android:layout\_marginTop="16dp"  
 android:textSize="18sp" />  
  
 <CheckBox  
 android:id="@+id/checkBox3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="16dp"  
 android:text="Fullstack Development"  
 android:textSize="18sp"  
 app:layout\_constraintTop\_toTopOf="@+id/textView"  
 tools:layout\_editor\_absoluteX="382dp" />  
  
 <CheckBox  
 android:id="@+id/checkBox4"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Mobile application develpment"  
 android:layout\_marginTop="16dp"  
 android:textSize="18sp"  
 app:layout\_constraintTop\_toBottomOf="@+id/checkBox"  
 tools:layout\_editor\_absoluteX="386dp" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="16dp"  
 android:onClick="Check"  
 android:text="submit" />  
</LinearLayout>

**yearwiseActivity.java**

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.CheckBox;

import android.widget.Toast;

public class yearwiseActivity extends AppCompatActivity {

CheckBox ch, ch1, ch2, ch3;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_yearwise);

ch = findViewById(R.id.checkBox);

ch1 = findViewById(R.id.checkBox2);

ch2 = findViewById(R.id.checkBox3);

ch3 = findViewById(R.id.checkBox4);

setupCheckboxListeners();

}

private void setupCheckboxListeners() {

CheckBox[] checkBoxes = {ch, ch1, ch2, ch3};

for (CheckBox checkBox : checkBoxes) {

checkBox.setOnCheckedChangeListener((buttonView, isChecked) -> {

if (isChecked) {

for (CheckBox cb : checkBoxes) {

if (cb != buttonView) cb.setChecked(false);

}

}

});

}

}

public void Check(View v) {

CheckBox[] checkBoxes = {ch, ch1, ch2, ch3};

String msg = "";

for (CheckBox checkBox : checkBoxes) {

if (checkBox.isChecked()) {

msg = checkBox.getText().toString();

break;

}

}

if (!msg.isEmpty()) {

Toast.makeText(this, msg + " is Selected", Toast.LENGTH\_SHORT).show();

} else {

Toast.makeText(this, "Nothing is selected, kindly select one from above checkbox", Toast.LENGTH\_LONG).show();

}

}

}