**package** com.example.android.quizapp;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.CheckBox;  
**import** android.widget.EditText;  
**import** android.widget.RadioButton;  
**import** android.widget.Toast;  
**import static** android.widget.Toast.***LENGTH\_LONG***;  
**import static** com.example.android.quizapp.R.id.***checkbox\_brussels***;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 }  
  
 **private int totalScore** = 0;  
 **private int scoreYesRadioButton** = 0;  
 **private int scoreSecondYesRadioButton** = 0;  
 **private int scoreThirdYesRadioButton** = 0;  
 **private int scoreFourthYesRadioButton** = 0;  
 **private int scoreFifthYesRadioButton** = 0;  
 **private int scoreSixthYesRadioButton** = 0;  
 **private int scoreNoRadioButton** =0;  
 **private int scoreSecondNoRadioButton** = 0;  
 **private int scoreThirdNoRadioButton** = 0;  
 **private int scoreFourthNoRadioButton** = 0;  
 **private int scoreFifthNoRadioButton** = 0;  
 **private int scoreSixthNoRadioButton** = 0;  
  
 **public void** onRadioButtonClicked (View view) {  
 **boolean** checked = ((RadioButton) view).isChecked();  
 **scoreYesRadioButton** = 0;  
 **scoreSecondYesRadioButton** = 0;  
 **scoreThirdYesRadioButton** = 0;  
 **scoreFourthYesRadioButton** = 0;  
 **scoreFifthYesRadioButton** = 0;  
 **scoreSixthYesRadioButton** = 0;  
 **scoreNoRadioButton** = 0;  
 **scoreSecondNoRadioButton** = 0;  
 **scoreThirdNoRadioButton** = 0;  
 **scoreFourthNoRadioButton** = 0;  
 **scoreFifthNoRadioButton** = 0;  
 **scoreSixthNoRadioButton** = 0;  
 }  
  
 **public void** onCheckboxClicked (View view) {  
 *//Is the view now checked?* **boolean** checked = ((CheckBox) view).isChecked();  
 *//Check which checkbox was clicked* **switch**(view.getId()) {  
 **case** R.id.***checkbox\_vienna***:  
 **if** (checked)  
 **totalScore** = **totalScore** +1;  
 **break**;  
 **case *checkbox\_brussels***:  
 **if** (checked)  
 **totalScore** = 0;  
 **break**;  
 }}  
  
 **public void** SubmitScore (View view) {  
 RadioButton yesRadioButton = findViewById(R.id.***yes\_radio\_button***);  
 *//Is the button now checked?* **if** (yesRadioButton.isChecked()) {  
 **scoreYesRadioButton** = **scoreYesRadioButton** + 1;  
 **totalScore** = **totalScore** + 1;  
 }  
  
 RadioButton secondYesRadioButton = findViewById(R.id.***second\_yes\_radio\_button***);  
 *//Is the button now checked?* **if** (secondYesRadioButton.isChecked()) {  
 **scoreSecondYesRadioButton** = **scoreSecondYesRadioButton** + 1;  
 **totalScore** = **totalScore** + 1;  
 }  
  
 RadioButton thirdYesRadioButton = findViewById(R.id.***third\_yes\_radio\_button***);  
 *//Is the button now checked?* **if** (thirdYesRadioButton.isChecked()) {  
 **scoreThirdYesRadioButton** = **scoreThirdYesRadioButton** + 1;  
 **totalScore** = **totalScore** + 1;  
 }  
  
 RadioButton fourthYesRadioButton = findViewById(R.id.***fourth\_yes\_radio\_button***);  
 *//Is the button now checked?* **if** (fourthYesRadioButton.isChecked()) {  
 **scoreFourthYesRadioButton** = **scoreFourthYesRadioButton** + 1;  
 **totalScore** = **totalScore** + 1;  
 }  
  
 RadioButton fifthYesRadioButton = findViewById(R.id.***fifth\_yes\_radio\_button***);  
 *//Is the button now checked?* **if** (fifthYesRadioButton.isChecked()) {  
 **scoreFifthYesRadioButton** = **scoreFifthYesRadioButton** + 1;  
 **totalScore** = **totalScore** + 1;  
 }  
  
 RadioButton sixthYesRadioButton = findViewById(R.id.***sixth\_yes\_radio\_button***);  
 *//Is the button now checked?* **if** (sixthYesRadioButton.isChecked()) {  
 **scoreSixthYesRadioButton** = **scoreSixthYesRadioButton** + 1;  
 **totalScore** = **totalScore** + 1;  
 }  
  
 RadioButton noRadioButton = findViewById(R.id.***no\_radio\_button***);  
 {  
 **scoreNoRadioButton** = 0;  
  
 }  
  
 RadioButton secondNoRadioButton = findViewById(R.id.***second\_no\_radio\_button***);  
 {  
 **scoreSecondNoRadioButton** = 0;  
  
 }  
  
 RadioButton thirdNoRadioButton = findViewById(R.id.***third\_no\_radio\_button***);  
 {  
 **scoreThirdNoRadioButton** = 0;  
  
 }  
 RadioButton fourthNoRadioButton = findViewById(R.id.***fourth\_no\_radio\_button***);  
 {  
 **scoreFourthNoRadioButton** = 0;  
 }  
  
 RadioButton fifthNoRadioButton = findViewById(R.id.***fifth\_no\_radio\_button***);  
 {  
 **scoreFifthNoRadioButton** = 0;  
 }  
  
 RadioButton sixthNoRadioButton = findViewById(R.id.***sixth\_no\_radio\_button***);  
 {  
 **scoreSixthNoRadioButton** = 0;  
 }  
  
  
 EditText answerField = (EditText) findViewById(R.id.***answer\_field***);  
 String name = answerField.getText().toString();  
 *//Correct answer is Canberra* **totalScore** = **totalScore** + 1;  
 *//Incorrect answer* **totalScore** = 0;  
  
  
 {  
 CheckBox Vienna = (CheckBox) findViewById(R.id.***checkbox\_vienna***);  
 **boolean** Vienna\_CheckBox = Vienna.isChecked();  
 **totalScore** = **totalScore** + 1;  
 *//Correct answer//* }  
  
 {  
 CheckBox Brussels = (CheckBox) findViewById(***checkbox\_brussels***);  
 **boolean** Brussels\_CheckBox = Brussels.isChecked();  
 **totalScore** = 0;  
  
 }  
  
 { *//The above adds up the scores and returns total score//  
 //Q1 Capital City of England is London is correct so Yes button is clicked//  
 //Q2 question Capital City of Scotland is Edinburgh is correct so Yes button is clicked//  
 //Q3 Capital City of France is Paris is correct so Yes button is clicked//  
 //Q4 Capital City of Germany is Berlin is correct so Yes button is clicked//  
 //Q5 Capital City of Greece is Athens is correct so Yes button is clicked//  
 //Q6 Capital City of Portugal is Lisbon is correct so Yes button is clicked??  
 //Q7 What is the capital city of Australia EditText correct answer is Canberra and will be given a score of +1//  
 //Q8 What is the capital city of Austria correct answer is Vienna and will be given a score of + 1//  
 // Yes is the correct answer and will be given a score of +1//  
 //No is the incorrect answer and will not be give a score//  
 // Depending on the correct or incorrect answers, one of the toasts is shown below//  
 //total correct answers is 8//* }  
 **if** (**totalScore** != 8) {  
 *//Show a congratulations message* Toast.*makeText*(**this**, **"Congratulations, you have 8 correct answsers"**, ***LENGTH\_LONG***).show();  
 }  
 **else  
  
 if** (**totalScore** <= 8) {  
 *//Show a sorry message* Toast.*makeText*(**this**, **"Sorry try again"**, Toast.***LENGTH\_SHORT***).show();  
 }  
 {  
 *//Reset total score of quiz to be 0 after showing toast message* **totalScore** = 0;  
 }  
  
 }}