**package** com.example.android.quizapp;  
  
**import** android.content.Intent;  
**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.TextView;  
**import** android.widget.Toast;  
  
  
**public class** MainActivity **extends** AppCompatActivity {  
 **int score**;  
  
 {  
 **score** = 0;  
 }  
 *// Global integer variable called score* @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate( savedInstanceState );  
 setContentView( R.layout.***activity\_main*** );  
 }  
  
 */\*\*  
 \* Radio button of question one  
 \* Calculates the score depending on right or wrong button checked  
 \*/* **public void** onRadioButtonQuestionOneClicked(View view) {  
 *// Is the button now checked?* **boolean** checked = ( (RadioButton) view ).isChecked();  
 *// Check which radio button was clicked* **switch** (view.getId()) {  
 **case** R.id.***radio\_question\_one\_wrong\_first***:  
 **if** (checked)  
 **score** = **score**;  
 *// Wrong answer means zero point to the score* **break**;  
 **case** R.id.***radio\_question\_one\_wrong\_second***:  
 **if** (checked)  
 **score** = **score**;  
 *// Wrong answer means zero point to the score* **break**;  
 **case** R.id.***radio\_question\_one\_right***:  
 **if** (checked)  
 **score** = **score** +1;  
 *// Right answer means one point to the score* **break**;  
 }  
 }  
  
 */\*\*  
 \* Radio button of question three  
 \* Calculates the score depending on right or wrong button checked  
 \*/* **public void** onRadioButtonQuestionThreeClicked(View view) {  
 *// Is the button now checked?* **boolean** checked = ((RadioButton) view).isChecked();  
 *// Check which radio button was clicked* **switch** (view.getId()) {  
 **case** R.id.***radio\_question\_three\_wrong\_first***:  
 **if** (checked)  
 **score** = **score**;  
 *// Wrong answer means zero point to the score* **break**;  
 **case** R.id.***radio\_question\_three\_right***:  
 **if** (checked)  
 **score** = **score** +1;  
 *// Right answer means one point more to the score* **break**;  
 **case** R.id.***radio\_question\_three\_wrong\_second***:  
 **if** (checked)  
 **score** = **score**;  
 *// Wrong answer means zero point to the score* **break**;  
 }  
 }  
  
 */\*\*  
 \* Radio button of question five  
 \* Calculates the score depending on right or wrong button checked  
 \*/* **public void** onRadioButtonQuestionFiveClicked(View view) {  
 *// Is the button now checked?* **boolean** checked = ((RadioButton) view).isChecked();  
 *// Check which radio button was clicked* **switch** (view.getId()) {  
 **case** R.id.***radio\_question\_five\_wrong\_first***:  
 **if** (checked)  
 **score** = **score**;  
 *// Wrong answer means zero point to the score* **break**;  
 **case** R.id.***radio\_question\_five\_right***:  
 **if** (checked)  
 **score** = **score** +1;  
 *// Right answer means one point more to the score* **break**;  
 **case** R.id.***radio\_question\_five\_wrong\_second***:  
 **if** (checked)  
 **score** = **score**;  
 *// Wrong answer means zero point to the score* **break**;  
 }  
 }  
  
 */\*\*  
 \* This method is called when the score Button in clicked  
 \*/* **public void** scoreButtonClicked(View view) {  
 **boolean** hasOneRightAnswer;  
 **boolean** hasTwoRightAnswer;  
 **boolean** hasWrongAnswer;  
 *// boolean variables for the checkboxes of question six or bonus one* EditText answerQuestionTwo = (EditText) findViewById(R.id.***field\_question\_two***);  
 String answerOfQuestionTwo = answerQuestionTwo.getText().toString();  
 **if** (answerOfQuestionTwo.equals(**"LONDON"**)) {  
 **score** = **score** + 1;  
 } **else** {  
 **score** = **score**;  
 }  
 {  
 **score** = **score**;  
 }  
 *// EditText of question two. If the answered typed is equal to the right answer, it means one point more to the score* EditText answerQuestionFour = (EditText) findViewById(R.id.***field\_question\_four***);  
 String answerOfQuestionFour = answerQuestionFour.getText().toString();  
 **if** (answerOfQuestionFour.equals(**"ITALY"**)) {  
 **score** = **score** + 1;  
 } **else** {  
 **score** = **score**;  
 }  
 {  
 **score** = **score**;  
 }  
 *// EditText of question four. If the answered typed is equal to the right answer, it means one point more to the score* CheckBox CheckBoxRightOne = (CheckBox) findViewById(R.id.***checkbox\_right1***);  
 CheckBox CheckBoxRightTwo = (CheckBox) findViewById(R.id.***checkbox\_wrong***);  
 CheckBox CheckBoxWrong = (CheckBox) findViewById(R.id.***checkbox\_right2***);  
 **if** (!(!(hasOneRightAnswer = CheckBoxRightOne.isChecked() == **true**) || !(hasWrongAnswer = CheckBoxWrong.isChecked() == **false** && (hasTwoRightAnswer = CheckBoxRightTwo.isChecked() == **true**)))) {  
 **score** = **score** + 1;  
 } **else** {  
 **score** = **score**;  
 }  
 *// CheckBoxes of question six or bonus one. If the two right CheckBoxes are clicked and the wrong CheckBox is not clicked, it means one point more to the score* Toast.*makeText*(**this**, **"Your score is: "** + **score**, Toast.***LENGTH\_SHORT***).show();  
 *// Toast that shows the score achieved on the screen* displayScore(createScoreMessage(**score**));  
 *// We call this method to show the score and a message on the screen* }  
  
  
 */\*\*  
 \* Creates and gives the score message  
 \*  
 \** ***@param score*** *\*/* **private** String createScoreMessage(**int** score) {  
 String scoremessage;  
 EditText playerNameField = (EditText) findViewById(R.id.***name\_field***);  
 String nameOfPlayer = playerNameField.getText().toString();  
 **if** (score >= 5) {  
 scoremessage = **"Congratulations "** + nameOfPlayer + **", \nyou are a Master! \nYour score is: "** + **this**.**score**;  
 **return** scoremessage;  
 }  
 **if** (score >= 3) {  
 scoremessage = **"Good work "** + nameOfPlayer + **"! \nTry again to become a Master! \nYour score is: "** + **this**.**score**;  
 **return** scoremessage;  
 } **else** {  
 scoremessage = **"You can do better "** + nameOfPlayer + **"! \nTry again to become a Master! \nYour score is: "** + **this**.**score**;  
 **return** scoremessage;  
 }  
 }  
  
 */\*\*  
 \* This method displays the score value and message on the screen.  
 \*/* **private void** displayScore(String message) {  
 TextView scoreTextView = (TextView) findViewById(R.id.***score\_text\_view***);  
 scoreTextView.setText(message);  
 }  
  
 */\*\*  
 \* This method restart or "reset" the App.  
 \*/* **public void** resetButton(View view) {  
 Intent i = getBaseContext().getPackageManager()  
 .getLaunchIntentForPackage(getBaseContext().getPackageName());  
 i.addFlags(Intent.***FLAG\_ACTIVITY\_CLEAR\_TOP***);  
 startActivity(i);  
 }  
}