Question 2 (20 marks)

In this part you are going to test the code you wrote in Q1.

- Create a new class called **Q1Tester**
- Inside **Q1Tester**, add **two** test cases for **each** method in **Q1** (except for the main method and **getKeyword**) and call these test cases in the main method of **Q1Tester** class
  - If the tested method's return value type is **TokenType**: 1) one test case tests the case when it returns **null** and 2) the other one tests the case when its return value is not **null**
  - If the tested method's return value type is **boolean**: 1) one test case tests the case when it returns **true** and 2) the other one tests the case when its return value is **false**
- Create a new class called **Q1TesterKeywords**
  - Inside **Q1TesterKeywords**, add a number of test cases for the method **getKeyword** in **Q1** such that all statements in the method **getKeyword** are covered by these test cases in **Q1TesterKeywords**