## ASSESSMENT SUMMARY

Compilation: PASSED API: PASSED

SpotBugs: PASSED PMD: PASSED Checkstyle: PASSED

Correctness: 13/13 tests passed

Memory: No tests available for autograding. Timing: No tests available for autograding.

Aggregate score: 100.00%

[ Compilation: 5%, API: 5%, Style: 0%, Correctness: 90% ]

## **ASSESSMENT DETAILS**

The following files were submitted:
538 Apr 1 05:10 HelloGoodbye.java 939 Apr 1 05:10 HelloWorld.java 909 Apr 1 05:10 RandomWord.java
**************************************
% javac HelloWorld.java *
% javac HelloGoodbye.java *
% javac RandomWord.java *
Checking the APIs of your programs.
HelloWorld:
HelloGoodbye:
RandomWord:

***************************
* CHECKING STYLE AND COMMON BUG PATTERNS ************************************
% spotbugs *.class *
% pmd . *
% checkstyle *.java *
% custom checkstyle checks for HelloWorld.java
% custom checkstyle checks for HelloGoodbye.java
% custom checkstyle checks for RandomWord.java *
**************************************
Testing correctness of HelloWorld
*Running 2 total tests.
Test 1: check output format of main() % java HelloWorld Hello, World
==> passed
<pre>Test 2: check correctness of main()   * java HelloWorld ==&gt; passed</pre>
HelloWorld Total: 2/2 tests passed!
Testing correctness of HelloGoodbye
*Running 6 total tests.
Test 1: check output format of main()

```
% java HelloGoodbye Kevin Bob
 Hello Kevin and Bob.
 Goodbye Bob and Kevin.
 % java HelloGoodbye Alejandra Bahati
 Hello Alejandra and Bahati.
 Goodbye Bahati and Alejandra.
==> passed
Test 2: check correctness of main() using names from assignment specification
 * java HelloGoodbye Kevin Bob
 * java HelloGoodbye Alejandra Bahati
==> passed
Test 3: check correctness of main() using fixed names
 * java HelloGoodbye Chandra Deshi
 * java HelloGoodbye Ayşe María
 * java HelloGoodbye Wayan Taiyeo
 * java HelloGoodbye Ástfríður Bedřiška
==> passed
Test 4: check correctness of main() when two names are the same
  * java HelloGoodbye Turing Turing
 * java HelloGoodbye Lovelace Lovelace
 * java HelloGoodbye Hopper Hopper
 * java HelloGoodbye Knuth Knuth
==> passed
Test 5: check correctness of main() using random names
 * java HelloGoodbye Yoganathan Deok
 * java HelloGoodbye Maiko Matthías
 * java HelloGoodbye Ahlrike Morgan
 * java HelloGoodbye Hermanus Dagbjartur
 * java HelloGoodbye Shun Raji
==> passed
Test 6: test correctness of main() using many random names
 * 10 pairs of random names
 * 100 pairs of random names
 * 1000 pairs of random names
 * 10000 pairs of random names
==> passed
HelloGoodbye Total: 6/6 tests passed!
_____
Testing correctness of RandomWord
*_____
Running 5 total tests.
Test 1: check that main() prints exactly one word
 % java-algs4 RandomWord < animals8.txt</pre>
 ant
 % java-algs4 RandomWord < animals8.txt</pre>
 % java-algs4 RandomWord < coin.txt</pre>
 tails
 % java-algs4 RandomWord < names.txt</pre>
```

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```
Test 2: check that the first word main() prints appears on standrd input
  * 10000 trials from coin.txt
  * 10000 trials from animals8.txt
 * 10000 trials from animals.txt
 * 10000 trials from colors.txt
  * 10000 trials from algorithms.txt
  * 10000 trials from dream.txt
==> passed
Test 3: check that main() consumes all data from standard input
  * coin.txt
  * animals8.txt
  * animals.txt
  * colors.txt
 * algorithms.txt
  * names.txt
  * dream.txt
==> passed
Test 4: check that main() chooses a word uniformly at random
  * 12000 trials from coin.txt
  * 12000 trials from roshambo.txt
  * 12000 trials from die.txt
  * 12000 trials from animals8.txt
  * 12000 trials from animals25.txt
  * 12000 trials from algorithms.txt
==> passed
Test 5: check that main() chooses a word uniformly at random
        (with some words on standard input repeated)
  * 36000 trials from biased-coin.txt
  * 36000 trials from loaded-die.txt
  * 36000 trials from two-dice.txt
  * 36000 trials from tinyTale.txt
==> passed
RandomWord Total: 5/5 tests passed!
______
```