

HOMEWORK: 2 (20 points)
DUE DATE: Tuesday March 3, 2015

Description:

1. Implement the class Table on page 592 in the textbook.
2. Add code to the class Table for tracking the collisions.
3. Add the method toString to return the string:
"table-size number-of-keys-inserted number-of-collisions collision-rate"
4. Implement a main that put the words from the file declare.txt into the Table. Use each word for both key and value.
5. Print out the statistics for Table with capacities 1000, 2000, 4000, and 8000.

Turn in:

1. Print out of the source code in landscape mode using non-proportional fonts (eg. Courier).
2. A report on what is learned from this homework with reference to number 5 in the description.
3. Email the source code with the file name *flast-Table.java* (ex. *nguyen-Table.java*) to *tvnguyen7@cpp.edu* with the subject: **cs240w15 hw2**. Don't name your class *flast-Table*. Rename the file before submitting.

Grading Guide:

- 80%: Program correctness
- 20%: Coding – efficiency, style, comments, formats, report

Notes:

1. The following information is required in the beginning of every source file.

```
//  
// Name: Last, First  
// Homework: #  
// Due: date  
// Course: cs-240-02-w15  
//  
// Description:  
// A brief description of the project.  
//
```

2. The submission **must** be legibly printed.