

Bonus Assignment #2

CSC 688 Go Language and Programming
Department of Computer Engineering
Santa Clara University

Name:

ID:

Score:

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Friday 9:30pm-10:00pm

Due date: 7:00pm May 26, 2017

Problem 1

True or false (yes or no, 1 or 0) problems with wrong-answer penalties:

- Go is a compiled language and thus has better performance on both compile time and runtime than interpreter language like most scripting languages.
- Go uses an asynchronous CSP model.

Problem 2

Please modify the following echo program to a) also print `os.Args[0]`, the name of the command that invoked it, and b) print the index and value of each of its arguments, one per line.:

```
// Dupl prints the text of each line that appears more than
// once in the standard input, preceded by its count.
package main
import (
    "bufio"
    "fmt"
    "os"
)
func main() {
    counts := make(map[string]int)
    input := bufio.NewScanner(os.Stdin)
    for input.Scan() {
        counts[input.Text()]++
    }
    // NOTE: ignoring potential errors from input.Err()
    for line, n := range counts {
        if n > 1 {
            fmt.Printf("%d\t%s\n", n, line)
        }
    }
}
```