

CMSI 182

INTRODUCTION TO COMPUTER SCIENCE

Fall 2006

Assignment 0914

Alright, time to get your feet wet and your hands dirty. This combination of written and programmed exercises is meant to cement your understanding of how computers “see” and “work with” the information that we use everyday.

Not for Submission

Read Chapters 1 and 2 in the Brookshear book.

For Submission

Submit all work on hardcopy at the beginning of our September 14 class.

1. Do the following exercises from Chapter 1 of the Brookshear book:
 - a. Questions 2 and 3 on page 30
 - b. Chapter review problems 1.1, 1.2, 1.5, 1.7, 1.9, 1.12, 1.19, 1.20, 1.24, 1.25
2. Here it is — your first program! Type this JavaScript program into the JavaScript scratch page on the course Web site and run it by clicking on the page’s *Run* button. Remember that absolute accuracy is required — this code must be entered *exactly* as shown (at least until you’ve gained a little more experience and knowledge on the subject):

```
var a = "Hello";
var b = "World";
alert(a + b);

var i = 1;
var j = 1;
alert(i + j);

var c = "1";
var d = "1";
alert(c + d);

var x = 1.5;
var y = 3.25;
alert(x + y);

alert(i + j + a + b + c + d + x + y);
```

What happens when you run this program? For each alert command (there are five of them), explain what you think the computer is doing with the expression that is being “alerted.”

3. Do the following exercises from Chapter 2 of the Brookshear book:
 - a. Question 3 on page 82
 - b. Questions 1 and 2 on page 88