Project 1
Due 1700 M 7/28
Due: 1700 Mon 7/28.

PROJECT REQUIREMENTS

[40 pts] Complete the Unix Shell Learning Module.

Complete this learning module:
Blackboard > Learning Modules > LM: The Unix CLI

Complete this 20-question Quiz
Blackboard > Exams/Review > Unix CLI Assessment.

1. [30 pts] 281/p1/js/FizzBuzz.js.

See Ch. 4, p. 142, for the FizzBuzz specs. This problem was covered in your CIS 110 textbook, *Figure 10.2 Ch. 10 Algorithms*, where it was called the BizzBuzz algorithm.

Command-Line JavaScript: Use the DevTools Console to test a function named fizzBuzz that uses a for loop as described to generate this output (the .htaccess credentials are CIT:CIT).

The fizzBuzz function does not accept an argument, and returns a string value.

Use Sublime to define your function. Store it in ~/Documents/repos/Projects/Chapter4/FizzBuzz.js.

Use the Chrome DevTools Console to test your function.

When the function is tested and correct, upload it to 281/p1/js/FizzBuzz.js on the uoregon.edu server.

2. [10 pts] 111/js/array-functions.js.

Command-Line JavaScript: Ex. 5, p. 145. Write a function named isElement that accepts an array of strings and a string, and returns true if the string is contained in the array, false otherwise. Use the DevTools JavaScript Console to test the function. Store the function in 111/js/array-functions.js.

Write a JavaScript function named getProps that accepts an object and returns an array of the object's properties.

Example:

```javascript
var student = { name : "David Rayy", sclass : "VI", rollno : 12 };
console.log(getProps(student));  =>[name, sclass, rollno]
```

Use the DevTools JavaScript Console to test the function.
Store the function in 111/js/object-functions.js.


Write a JavaScript program to display the reading status (i.e. display book name, author name and reading status) of this library of books represented as an array of objects.

Use the DevTools JavaScript Console to test the program.
Store the program in 111/js/library.js.

Note: an array of objects is sometimes called a JavaScript database.
Meeting the Deadline

How to Handle the 17:00 Deadline

- Start working on your project early. Do not delay.
- Turn in what you have by the deadline-- partial credit is better than none.

[Instructors] are a Superstitious Sect, Great Keepers of Set Times and Places.

-- from Poor Richard's Almanac