

Lab 2

Due: Jan 26, 2014 Sunday, 23:59

Objective:

- Practice with strings,
- built-in functions,
- robust programming,
- Concept of user-input validation

Requirements:

Write a JavaScript program (lab2.js) to allow the user to input a name and a phone number, using prompt(). Write two functions to validate the inputs. The validation rules will be described below.

If the user inputs invalid information, your program reports the corresponding meaningful error message and allows the user to re-input the information.

If the inputs, both the name and phone number, are valid, display, using alert(), in the format like: Mary's phone number is (416)123-7898, where the underlined data is from user's input.

Validation rules:

1. name:

- a. must be present,
- b. only allowable characters: alphabetic characters lower case (a-z) and upper case (A-Z), apostrophe, hyphen,
- c. First character must be an alphabetic character,
- d. If valid by the above rules, change the first character to uppercase.

2. phone number:

- a. must be present,
- b. must be at the format of (NNN)NNN-NNNN, where N means digit (0-9),
- c. Possible area codes are: 416, 905, 289, 647. All others are considered invalid,
- d. The actual phone number NNN-NNNN cannot be all zeros.

Submission through MySeneca:

Under "Assignment", click "Lab2.

You need to submit 2 files: (1) the source code of javascript (lab2.js), and (2) another file with the screenshots of your program runs with input and output.

Academic Policy:

Seneca's Academic Policy will be strictly enforced.

<http://www.senecacollege.ca/academic-policy/index.html>

This is an individual lab. Please do not try to convince me that any two of you may have the same idea of the problem or the code.

Student Oath:

A signed declaration of honesty must be included in your submission. Put the following declaration in comment in your Javascript program.

I declare that the attached assignment is wholly my own work in accordance with Seneca Academic Policy. No part of this assignment has been copied manually or electronically from any other source (including web sites) or distributed to other students.