Centre for Continuing Education

420-PX4-AB - JavaScript   **Test 1**

This test is marked on 50. It is worth 25% of the course.   Time: 3 hours
Good Luck

For this exam you have to complete the 2 functions listed below using the files provided in the the zip folder. The contents of this folder are all that you need to complete the test; HTML, CSS and JavaScript files.

Only the provided JavaScript file, *speakEasy.js* should be modified.

Doctor Freethinker - excuseMeDoctor()

Use the "Excuse Me Dr. Freethinker" button provided in the HTML to speak with Dr. Freethinker. This should call the function excuseMeDoctor(), this function takes no parameters.

Dr. Freethinker's conversation skills are extremely limited so when you talk with Dr. Freethinker his answer are restrained to the following conditions.

Dr. Freethinker will answer "*Indubitably*" when you ask a question.
  • Will I pass this Test?
  • Will it be sunny for the next 2 weeks?
  • Feel like pizza for supper tonight?

Dr. Freethinker will answer "*Whoa!! Where's the fire?*" if you yell.
  • BEAUTIFUL DAY FOR A TEST
  • HELLO, IT ANYONE THERE
  • PIZZA HAS ARRIVED

Dr. Freethinker will answer "*Do YOU want to do it instead?*" if you yell a question.
  • ARE YOU CHEATING?
  • AM WE DONE YET?
  • WHO ATE ALL THE PIZZA?

Dr. Freethinker will answer "*Pff, I don't need you either!*" if you don't end up talking.

Dr. Freethinker will answer "*I understand. But you're still wrong!*" to anything else.

Too Many Words - tooManyWords()

Use the "TMW" button provided in the HTML to call the function tooManyWords. This function has no parameters

Prompt the user for a phrase.

If the phrase is invalid or empty, alert the user that an acronym can not be created.
  The phrase submitted should should not be an empty string

Convert any valid phrase to its acronym (an acronym is an abbreviation formed from the initial letters of words)
  The generated acronym should be in uppercase

Alert the user of their acronym using the following format "X stand for Y"
  X being the newly created acronym
  Y being the phrase they submitted.

  • TMW stands for Too Many Words
  • TDITD stands for Thank God it Test Day
  • IO3DO stands for It's only 30 degrees outside

Record Keeper

Use the "How Many words?" button provided in the HTML to call the function recordsKeeper, which takes the parameter "acronyms". When called the function will display the number of acronyms that were created. Alert the user "You created X made up acronyms", X being the number of acronyms created.

Use the "Prescription Please" button provided in the TML to call the function recordsKeeper, which takes the parameter "doctor". When called the function will display the number of times you talked with Dr. Freethinker. Alert the user "You spoke with the doctor X times", X being the number of times you prompted Dr. Freethinker.

Be sure to use appropriate function names, variable names and comments as needed.
You are free to use any JavaScript as long as your script works.

It is better to have part of your code working than none of your code at all.
Submit only your **speakEasy.js** file in the assignment section of Léa.