Discussion Board 2.1 Regular Expression

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What is regular expression? Regular expression is described on W3 Schools as a “sequence of characters that forms a search pattern.” (*JavaScript RegExp Reference*, n.d.). Also called RegExp, or Regex. What they mean is when you are searching in your text for data, you can use the pattern to define what to search. Can be multi things or just a single thing and can be used to not only “text search” but also “text replace”. (*JavaScript RegExp Reference*, n.d.)

There are some advantages to regular expressions. I imagine the biggest benefit would be to not have to sift through all that data yourself and can rather let JS search the data for you and in addition can replace multiple lines of code, much better than copy and paste can. Can be less prone to error. (*Regex Advantages*, n.d.)

A disadvantage to regular expressions is that is impossible to read at a glance.

The brackets of regular expressions that are used at [abc], [0-0] and (x|y). [abc] will find the characters between these brackets. [0-9] will find the digits that are between these brackets. And lastly (x|y) will find the alternatives that are separated between the |. (*JavaScript RegExp Reference*, n.d.)

The modifiers of regular expression are, i, g and m. Modifier i will match in case sensitive searches. Modifier g will find all matches in the search , “global match” and m will do matching on multiple lines (*JavaScript RegExp Reference*, n.d.)

Example: will only search exactly and will return only C-3 from the string.

let text = "C-3PO is a droid";

let result = /C-3/;

Example: will return C,3,O,o. all in order to what was defined.

let text = "C-3PO is a droid";

let result = /[A-O1-3o]/g;

Example:can also use .exec(); to search for letters and numbers within variables

let text = "C-3PO is a droid";

let result = /e/.exec(text);

References:

*JavaScript RegExp Reference*. (n.d.). Retrieved January 9, 2023, from <https://www.w3schools.com/jsref/jsref_obj_regexp.asp>

*Regex Advantages*. (n.d.). Troubleshooters. Retrieved January 9, 2023, from http://www.troubleshooters.com/linux/presentations/leap\_regex/7.html