Worksheet 9 - regular expressions II

Wednesday, October 2, 2024

DS 002R - Jo Hardin

Your Name: _____

Names of people you worked with: _____

What is your favorite 5C dining hall? Why?

Task:

Consider the following R code: `gregexp(pattern, string)` where `pattern` refers to the row and `string` refers to the column in the following table. For the first row and first column: `gregexpr("[0-9]{3,4}", "data sci 002R")` would return position 10 and length 3.

In each corresponding table cell, write down the value that is returned (i.e., the position of the match(es) and the length of the match(es)) or `-1` if no match is found.

	"data sci 002R"	"statistics"	"I love R!"	"October 2, 2024"
"[0-9]{3,4}"	pos: 10 length: 3			
"[!,]"				
"at"				
"[A-Z]+"				
"stat*"				

Solution:

	"data sci 002R"	"statistics"	"I love R!"	"October 2, 2024"
"[0-9]{3,4}"	pos: 10 length: 3	pos: -1 length: -1	pos: -1 length: -1	pos: 12 length: 4
"[!,]"	pos: -1 length: -1	pos: -1 length: -1	pos: 9 length: 1	pos: 10 length: 1
"at"	pos: 2 length: 2	pos: 3 length: 2	pos: -1 length: -1	pos: -1 length: -1
"[A-Z]+"	pos: 13 length: 1	pos: -1 length: -1	pos: 1 length: 1, pos: 8 length: 1	pos: 1 length: 1
"stat*"	pos: -1 length: -1	pos: 1 length: 4	pos: -1 length: -1	pos: -1 length: -1