StartEndMiddle.docx Computer Science - Haas

Write a JavaScript program which asks the user to enter a ***longer string*** and a ***shorter string***. It then determines if the shorter string entered is found at the start, end, and/or somewhere in the middle of the longer string. You can assume that a ***longer string*** entered will always be at least as long as the ***shorter string***.

Examples:

* ‘*pizza’ is found* at start of ‘pizza is good’ since no characters precede pizza.
* ‘*pizza’ is found* at end of ‘I love pizza’ since no characters are after pizza.
* ‘*pizza’ is found* at the middle of ‘eat pizza!’ since there are characters both before and after pizza.

Hint: You will need to use the string functions: ***length***, ***indexOf***, and ***substring*** for this project.

Below are some examples of the program output. Make sure your program works for every case below and try some additional test cases of your own!

Example 1:   
Computer> Enter a longer string.

User> catdogcat

Computer> Enter a shorter string.

User> cat

Computer> 'cat' is found at the start of 'catdogcat'

Computer> 'cat' is found at the end of 'catdogcat'

Example 2:   
Computer> Enter a longer string.

User> It’s pizza for lunch.

Computer> Enter a shorter string.

User> pizza

Computer> ‘pizza’ is found in the middle of ‘It’s pizza for lunch.’

Example 3:   
Computer> Enter a longer string.

User> catdogcat

Computer> Enter a shorter string.

User> mouse

Computer> 'mouse' is NOT found anywhere in 'catdogcat'

Example 4:   
Computer> Enter a longer string.

User> catsdogscats

Computer> Enter a shorter string.

User> cat

Computer> 'cat' is found at the start of 'catsdogscats'

Computer> 'cat' is found in the middle of 'catsdogscats'

Show Haas the completed program and save as LastNameFirstLastMiddle