

STRING & FUNCTIONS

EXERCISES :

- 1) Write a function which will return the number of found "words" and location (with the address and subscript value)
E.g. for char *sentence = "How much wood would a woodchuck chuck?" and address of "sentence" starts at 0x90000.
Your answer will be :

Found "wood" at :
0x900009 9
0x900022 22

- 2) Write a function which will locate the last occurrence of a sub-string.
E.g. use the last sentence as an example.

Prototype of your function:

```
char * strstr( sentence, "wood")
```

it will return the address of the last "wood". That is:
0x900022

- 3) Write a function which will replace the sub-string; and print out the whole string.

e.g.
replace(char *sentence, char *oldStr, char *newStr)

You need to do that 2 tests:

- a) From "John" to "Al"
- b) From "John" to "Benjamin"

- 4) Write a function to remove all instances of "moo".

a) Case 1:
"Farmer John Loves moomoo cow."
Should become
"Farmer John Loves cow."

b) Case 2:
"Farmer John loves momomommmmmooooooooooooo cow."
Should become
"Farmer John Loves cow."

- c) Case 3:
"Farmer John loves momomommmmmoooooooooooo cow, but all the cows which do momomommmmmoooooooooooo"

Note that there is the last character of the string is "o".