Real Time College



STRINGS

- 1. String.h library missing:
 - Strcat ([],[]) add the second string to the end of the first one.
 - Strcopy ([], []) copy the second string to the first one.
 - Strncpy ([], [],n) copy first letters until n to the first string.

Write the library yourself, and don't forget to check for errors.

 You are given 2 strings and a number Char source [M] Target [M] Unsigned int n Transfor p letters from source to target in ba

Transfer n letters from source to target in backwards.

- Without using the actual string.h library
- With using string.h library.
- You are given two strings Char first [?] = "..." second = " " With the use of string.h library add the first string in the middle of the second one

4. You are given two strings

Char first [?] = "..." second = " "

Copy the first string to the second one but with capital letters only.

- Without using strlwr from string.h library.
- With using strlwr from string.h library.
- 5. You are given two strings and a number

Char target [?] Source = "..." Unsigned int n Copy the first string to the second with n spaces between each word.

- 6. You are given two strings and a number
 - Char first [?] = ".." Second = "..."

Second = ...

Unsigned int n

Without using string.h library:

• Insert the source to the target string before n first letters.

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- Insert the source to the target string after n first letters.
- 7. You are given 3 strings

Target [?] = "..", source="..", source2 = ".."

Compare between source and source2 and insert into target if equal, otherwise insert some sign.

8. You are given a string and a number

Char string [] = ".." Int n Find the letter in the string n spot. The string is round:

- Positive n when reached the end of the string is starting over.
- Negative n when reached the end of the string searching backwards from the end
- 9. Palindrome
 - String is a palindrome if you get equal word reading it from both sides. Check if the given string is a palindrome without the use of string.h library
 - New palindrome rule skip the signs and spaces of the string Char string [] = "Madam, Madam, I'm! Adam" Check if the string is a palindrome with the new rule.
- 10. Make it work char * strchar (char * string, char letter)
 - The function receives a string [] and a char letter and looks for the first appearance of the letter in the string
 - If found, the function returns its location otherwise null
- 11. You are given a string char string [] = ".."Find the letter that appears the most in the string.
- 12. You are given a string char string [] = ".." which contains letters ('A'...'Z','a'...'z') Numbers (0..9) and signs (':',';','!',.') and spaces. Find the char that appears the most in the string.

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- 13. You are given 3 stringsChar target[?], source1 [] = "..", source2 []=".."Merge the words from source1 and 2 to target (char at a time from each string)Unknown the length of the strings.
- 14. You are given 2 stringsChar first [] = ".." char second [] = ".."Check if the second array appears in the end of the first array.
- 15. Char * strpbrk (char * string1, char * string2) library has a function strpbrk which scans the first string and searches in it for the second string returning a pointer to its location.

Without the use of string.h write your version of strpbrk.

- 16. You are given a string char string [] = ".."Count the number appearances in the string.Note : count numbers not digits.
- 17. You are given a string char string [] = ".."Containing two number and a math operator between them.Calculate the result.
- 18. You are given a string string [] = ".."
 Containing a number written with letters:
 "two hundred and twenty three"
 The sentence contains the following words:
 "....ninety, twenty, nineteen, eleven, ten,....,one
 Thousand, hundred, billion, million,...
 Calculate the number.