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/**********************
* An implementation of the strcmp() function that is included in the
* string.h header file.
* Given two strings, sums up their ASCII values, calculates the
* length of the strings, before comparing the ASCII sums and lengths.
* Returns:
        0 if the strings are the same
         1 if str1 > str2
        -1 if str1 < str2
* @author Ron Rounsifer
* @version 0.01
 #include <stdio.h>
int str_cmp(char *str1, char *str2);
int main()
       char *s1 = "stringer";
char *s2 = "STRINGER";
       int compare;
       compare = str\_cmp(s1, s2);
       printf("%d\n", compare);
       return 0;
}
/*************************
^{\star} Compares two strings by summing their ASCII values before
* comparing both those sums and the strings lengths.
int str_cmp(char *str1, char *str2)
       int str1_sum = 0;
       int str2\_sum = 0;
       int str1_len = 0;
int str2_len = 0;
       // sum up ASCII values of chars
       for (char *p1 = str1; *p1; ++p1) {
               str1\_sum += *p1;
               str1_len++;
       for (char *p2 = str2; *p2; ++p2) {
              str2_sum += *p2;
str2_len++;
       // compare ASCII totals and lengths
       if (str1_len > str2_len)
              return 1;
       else if(str1_len < str2_len)
              return -1;
       else if (str1_len == str2_len)
               if (str1_sum > str2_sum)
                      return 1;
               else if (str1_sum < str2_sum)</pre>
                      return -1;
       return 0;
}
```