Problem

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To sort a given array of strings into lexicographically increasing order or into an order in which the string with the lowest length appears first, a sorting function with a flag indicating the type of comparison strategy can be written. The disadvantage with doing so is having to rewrite the function for every new comparison strategy.

A better implementation would be to write a sorting

A better implementation would be to write a sorting function that accepts a pointer to the function that compares each pair of strings. Doing this will mean only passing a pointer to the sorting function with every new comparison strategy.

Given an array of strings, you need to implement a **string\_sort** function which sorts the strings according to a comparison function, i.e, you need to implement the function:

void string\_sort(const char \*\*arr,const inf

The arguments passed to this function are:

- ullet an array of strings : arr
- length of string array: *count*
- pointer to the string comparison function: *cmp\_func*

```
string_sort(arr, n, sort_by_number_of_distinct_
   84
            for(int i = 0; i < n; i++)
  85
                 printf("%s\n", arr[i]);
   86
            printf("\n");
  87
  88
                                                 Line: 53 Col: 2
                                                 Submit Code
                                  Run Code
   Test against custom input
Congratulations!
You have passed the sample test cases. Click the submit button to run your
code against all the test cases.
     Sample Test case 0
                                   qoi
                                   fekls
                               10
                                   qoi
                                   sbv
                                   wkue
                                   fekls
                               15
                                   qoi
                               16
                               17
                                   sbv
```