Learn how your code will be evaluated (https://helpcenter.mymapit.in/?ht_kb=things-to-know-before-attempting-the-test)   Utility codes for quick start (https://helpcenter.mymapit.in/?page_id=871)

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C (gcc 4.8.3) ⌄   ⟳ ◑ ▶ **Compile & Run**   O/P »

Sort an array

Write a function in C to sort an array of strings using a doubly pointer.

Sample input:

 4 //Number of strings

 pr

 fr

 gy

 hu

Sample output:

The sorted array of strings is:

fr

gy

hu

pr

```c
#include <string.h>
#include<malloc.h>

int main(){
    int n;
    scanf("%d",&n);
    char arr[n][40] ; // array of strings
    int i;
    for(i=0; i<n; i++){
        scanf("%s",&arr[i]); // method1
        /* // method2
            char string[10];
            scanf("%s",&string);
            strcpy(arr[i],string);
        */
    }

    // bubble sort based on asci values
    int rounds,j;
    for(rounds=1; rounds <= n-1; rounds++){
        for(j=0; j <= n - rounds - 1; j++){

            // find asci of 1st char of each string
            int asc1 = arr[j][0] - 'a' + 65;
            int asc2 = arr[j+1][0] - 'a' + 65 ;
            // compare asci , and swap

            if(asc1 > asc2){
                char temp[40];
                /* temp = arr[j];    // invalid method
                    arr[j] = arr[j+1];
                    arr[j+1] = temp;
                */
                strcpy(temp,arr[j]); // correct way
                strcpy(arr[j],arr[j+1]);
                strcpy(arr[j+1],temp);
            }
        }
```

x

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I Understand