| **Program No**: **13 Date:27/07/2021**  **NAMES IN ALPHABETICAL ORDER**  **AIM :** To write a programme to arrange names in alphabetical order.  **ALGORITHM:**    1.Start  2. Read the number of names from the user  3. Read the Names one by one from the user  4. Print the names  5. Sort the names by bubble sort and using string manipulation functions  (strcmp -for comparing two strings, strcpy -for coping two strings)  6. Print the sorted names  7. Stop  **PROGRAM:**   | **/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***  **Title: Names in Alphabetical Order**  **Done by : Deepak M S**  **Date: 27/07/2021**  **Aim: To write a program to arrange names in Alphabetical order**  **\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**  **#include <stdio.h>**  **#include <string.h> //for string manipulation functions**  **int main () {**  **//variable declaration**  **char names[100][100], temp[100];**  **int size, i, j;**  **//read the number of names**  **printf ("Enter the number of Names:");**  **scanf ("%d", &size);**  **//get the names**  **printf ("Enter the names one by one:");**  **for (i = 0; i < size; i++){**  **scanf ("%s", names[i]);**  **}**  **//print names**  **printf ("\n Entered Names are :");**  **for (i = 0; i < size; i++){**  **printf ("\t%s", names[i]);**  **}**  **//sort the names**  **for (i = 0; i < size - 1; i++){**  **for (j = i + 1; j < size; j++){**  **if (strcmp (names[i], names[j]) > 0){**  **strcpy (temp, names[i]);**  **strcpy (names[i], names[j]);**  **strcpy (names[j], temp);**  **}**  **}**  **}**  **//print the sorted names**  **printf ("\n Names after sorted :");**  **for (i = 0; i < size; i++){**  **printf ("\t%s", names[i]);**  **}**  **return 0;**  **}** | | --- |   **SAMPLE OUTPUT:**    **RESULT:**  Program run successfully and able to get the correct output |
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