Question no : 9.10

Date : 21-11 -2024

Question :  Read n names and display the same using alphabetical order.

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Author : Amal Biju

Roll no : 5

Semester : 1

Programme : BSC(DA)

#include <stdio.h>

int main()

{

int n,i,j,k,l;

char temp[100];

printf("Enter the number of names:");

scanf("%d",&n);

char names[n][100];

printf("Enter the names\n");

for(i=0;i<n;i++)

{

scanf("%s",names[i]);

}

for(i=0;i<n-1;i++)

{

for(j=i+1;j<n;j++)

{

for (k = 0;names[i][k]!='\0'||names[j][k]!='\0';k++)

{

if(names[i][k]>names[j][k])

{

for(l=0;names[i][l]!='\0'||names[j][l]!='\0';l++)

{

temp[l]=names[i][l];

names[i][l]=names[j][l];

names[j][l]=temp[l];

}

break;

}

else if(names[i][k]<names[j][k])

{

break;

}

}

}

}

printf("\nNames in alphabetical order:\n");

for(i=0;i<n;i++)

{

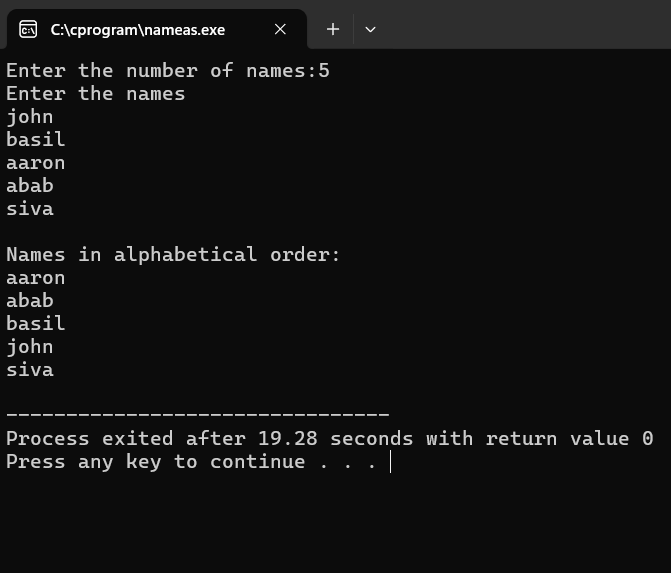
printf("%s\n",names[i]);

}

return 0;

}

**Output**

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