

GNU nano 4.8

BubbleSortAlgo.c

Modified

#include <stdio.h>

void main()

{

int array[100], n, c, d, swap;

printf("Enter number of elements\n");

scanf("%d", &n);

printf("Enter %d integers\n", n);

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

scanf("%d", &array[c]);

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

{

for (d = 0 ; d < n - c - 1; d++)

{

if (array[d] > array[d+1]) /* For decreasing order use < */

{

swap = array[d];

array[d] = array[d+1];

array[d+1] = swap;

}

}

}

printf("Sorted list in ascending order:\n");

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

printf("%d\n", array[c]);

}

^G Get Help

^O Write Out

^W Where Is

^K Cut Text

^J Justify

^C Cur Pos

M-U Undo

M-A Mark Text

M-] To Bracket

M-Q Previous

^B Back

^_ Prev Word

^X Exit

^R Read File

^_ Replace

^U Paste Text

^T To Spell

^_ Go To Line

M-E Redo

M-6 Copy Text

^Q Where Was

M-W Next

^F Forward

^_ Next Word

```
rishabh@DESKTOP-AUG0508U: /media/rishabh/Backup Plus/Vlabs/DS Labs/Lab Aug 12 2020
rishabh@DESKTOP-AUG0508U:/media/rishabh/Backup Plus/Vlabs/DS Labs/Lab Aug 12 2020$ nano BubbleSortAlgo.c
rishabh@DESKTOP-AUG0508U:/media/rishabh/Backup Plus/Vlabs/DS Labs/Lab Aug 12 2020$ gcc BubbleSortAlgo.c
rishabh@DESKTOP-AUG0508U:/media/rishabh/Backup Plus/Vlabs/DS Labs/Lab Aug 12 2020$ ./a.out
Enter number of elements
3
Enter 3 integers
5
5
5
Sorted list in ascending order:
5
5
5
rishabh@DESKTOP-AUG0508U:/media/rishabh/Backup Plus/Vlabs/DS Labs/Lab Aug 12 2020$ ./a.out
Enter number of elements
3
Enter 3 integers
1
4
6
Sorted list in ascending order:
1
4
6
rishabh@DESKTOP-AUG0508U:/media/rishabh/Backup Plus/Vlabs/DS Labs/Lab Aug 12 2020$ ./a.out
Enter number of elements
7
Enter 7 integers
7
9
1
4
7
3
7
Sorted list in ascending order:
1
3
4
7
7
7
9
rishabh@DESKTOP-AUG0508U:/media/rishabh/Backup Plus/Vlabs/DS Labs/Lab Aug 12 2020$
```