

#include <stdio.h>

$n \rightarrow 8$

0	1	2	3	4	5	6	7
6	5	3	1	8	7	2	4

// Function to sort the numbers using pointers

void sort(int n, int* ptr)

{

int i, j, t;

// Sort the numbers using pointers

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

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

if (*(ptr + j) < *(ptr + i)) {

t = *(ptr + i);

*(ptr + i) = *(ptr + j);

*(ptr + j) = t;

}

}

}

// print the numbers

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

printf("%d ", *(ptr + i));

}

// Driver code

int main()

{

int n = 5;

int arr[] = { 0, 23, 14, 12, 9 };

sort(n, arr);

return 0;

}

is kinda
Test case

$i \leq (n-1)$

$j \leq (n-1)$

i is immediate neighbor.

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