#include <stdio.h>

#include <conio.h>

void swap(int\* a, int\* b) {

int temp = \*a;

\*a = \*b;

\*b = temp;

}

int partition(int arr[], int low, int high) {

int p = arr[low];

int i = low;

int j = high;

while (i < j) {

while (arr[i] <= p && i <= high - 1) {

i++;

}

while (arr[j] > p && j >= low + 1) {

j--;

}

if (i < j) {

swap(&arr[i], &arr[j]);

}

}

swap(&arr[low], &arr[j]);

return j;

}

void quickSort(int arr[], int low, int high) {

if (low < high) {

int pi = partition(arr, low, high);

quickSort(arr, low, pi - 1);

quickSort(arr, pi + 1, high);

}

}

int main() {

int arr[] = { 44, 22, 77, 33, 55,11,66 };

int I;

int n = sizeof(arr) / sizeof(arr[0]);

quickSort(arr, 0, n - 1);

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

printf("%d ", arr[i]);

return 0;

}A black screen with a white border

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