ChatGPT | Amazon.in : nitro 5 ryzen 7 | Online C Compiler - Programiz

programiz.com/c-programming/online-compiler/

Next 425. Word Squ... | All Bookmarks

Programiz
C Online Compiler

Programiz PRO >

main.c | Share | Run | Output | Clear

```c
#include <stdio.h>
#include <stdlib.h>
int getMax(int arr[], int n) {
    int max = arr[0];
    for (int i = 1; i < n; i++)
        if (arr[i] > max)
            max = arr[i];
    return max;
}
void countSort(int arr[], int n, int exp) {
    int output[n];
    int i, count[10] = {0};
    for (i = 0; i < n; i++)
        count[(arr[i] / exp) % 10]++;
    for (i = 1; i < 10; i++)
        count[i] += count[i - 1];
    for (i = n - 1; i >= 0; i--) {
        output[count[(arr[i] / exp) % 10] - 1] = arr[i];
        count[(arr[i] / exp) % 10]--;
    }
    for (i = 0; i < n; i++)
        arr[i] = output[i];
```

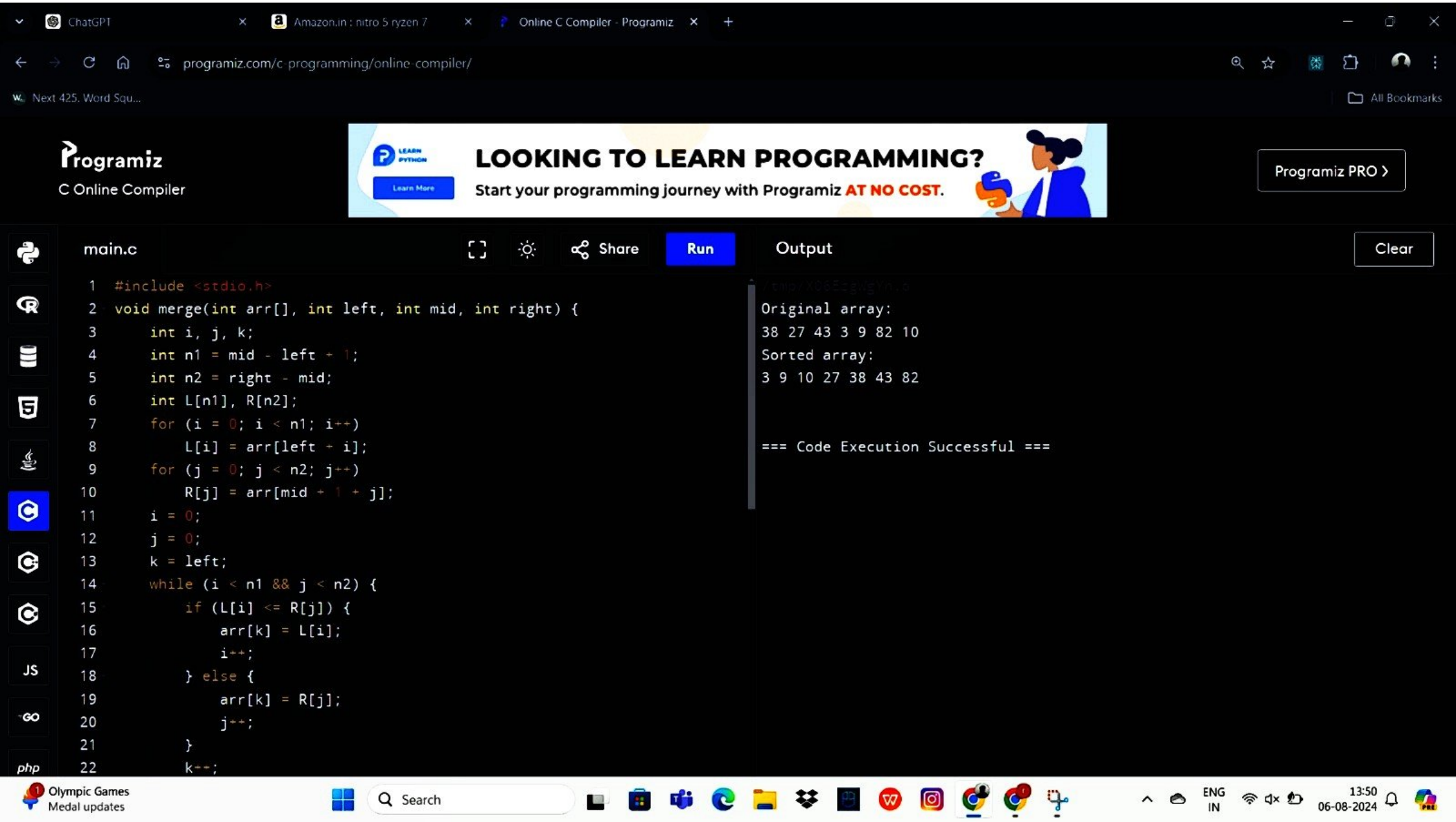
```
Original array:
170 45 75 90 802 24 2 66
Sorted array:
2 24 45 66 75 90 170 802


=== Code Execution Successful ===
```

Olympic Games
Today's events

Search

ENG
IN

13:53
06-08-2024


ChatGPT
Amazon.in : nitro 5 ryzen 7
Online C Compiler - Programiz
programiz.com/c-programming/online-compiler/
Next 425. Word Squ...
All Bookmarks
Programiz
C Online Compiler
LEARN PYTHON
Learn More
LOOKING TO LEARN PROGRAMMING?
Start your programming journey with Programiz AT NO COST.
Programiz PRO >
main.c
Share
Run
Output
Clear
#include <stdio.h>
void merge(int arr[], int left, int mid, int right) {
int i, j, k;
int n1 = mid - left + 1;
int n2 = right - mid;
int L[n1], R[n2];
for (i = 0; i < n1; i++)
L[i] = arr[left + i];
for (j = 0; j < n2; j++)
R[j] = arr[mid + 1 + j];
i = 0;
j = 0;
k = left;
while (i < n1 && j < n2) {
if (L[i] <= R[j]) {
arr[k] = L[i];
i++;
} else {
arr[k] = R[j];
j++;
}
k++;
Original array:
38 27 43 3 9 82 10
Sorted array:
3 9 10 27 38 43 82
=== Code Execution Successful ===
JS
GO
php
Olympic Games
Medal updates
Search
ENG
IN
13:50
06-08-2024

ChatGPT | Amazon.in : nitro 5 ryzen 7 | Online C Compiler - Programiz

programiz.com/c-programming/online-compiler/

Next 425. Word Squ... | All Bookmarks

Programiz
C Online Compiler

Programiz PRO >

main.c | Share | Run | Output | Clear

```c
#include <stdio.h>
void insertionSort(int arr[], int n) {
    int i, key, j;
    for (i = 1; i < n; i++) {
        key = arr[i];
        j = i - 1;
        while (j >= 0 && arr[j] > key) {
            arr[j + 1] = arr[j];
            j = j - 1;
        }
        arr[j + 1] = key;
    }
}
void printArray(int arr[], int n) {
    int i;
    for (i = 0; i < n; i++) {
        printf("%d ", arr[i]);
    }
    printf("\n");
}
int main() {
    int arr[] = {12, 11, 13, 5, 6};
```

```
/tmp/cjIUE6uNOV.o
Original array:
12 11 13 5 6
Sorted array:
5 6 11 12 13


=== Code Execution Successful ===
```

33°C
Partly sunny

Search

ENG
IN

13:46
06-08-2024