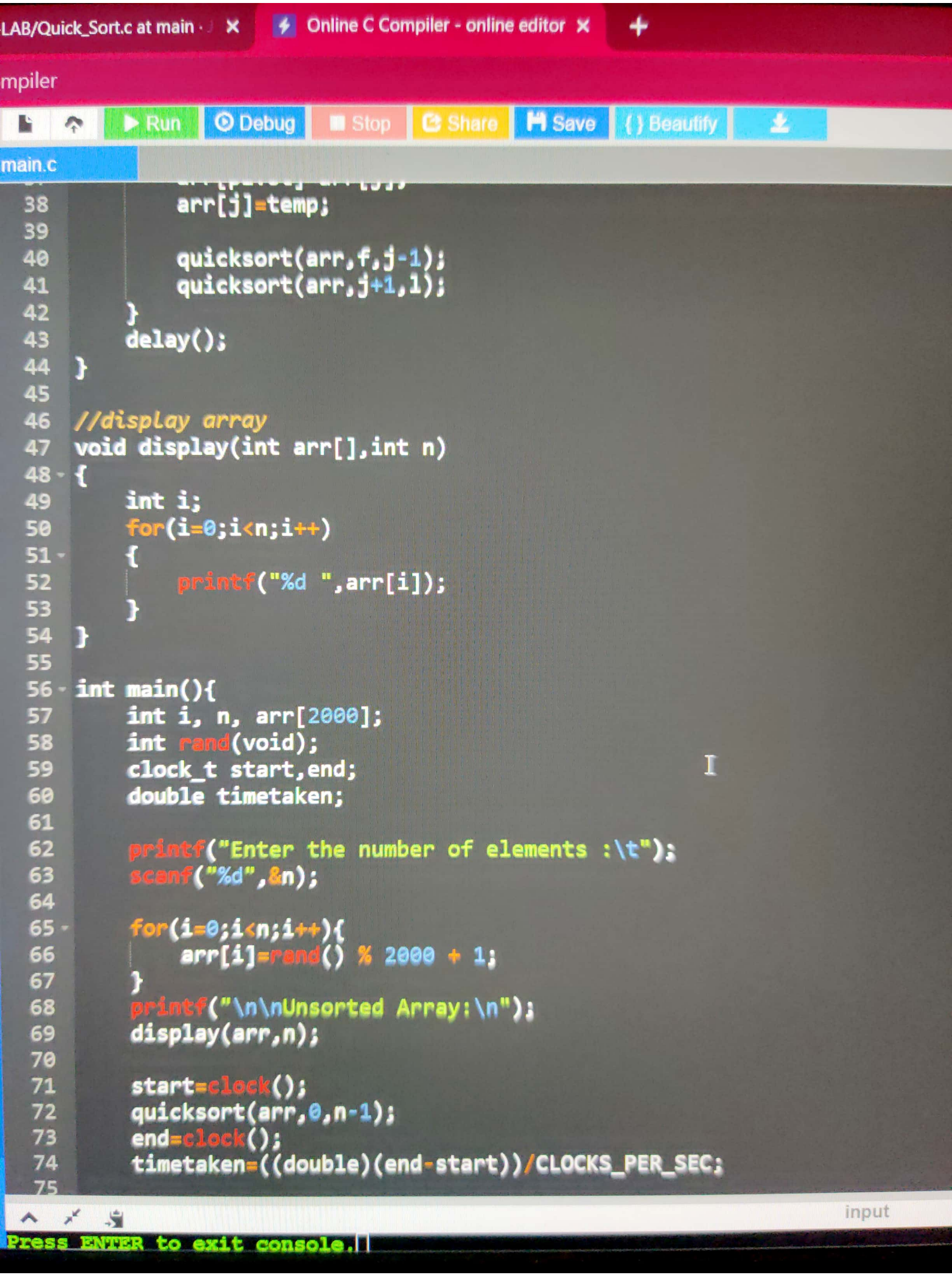
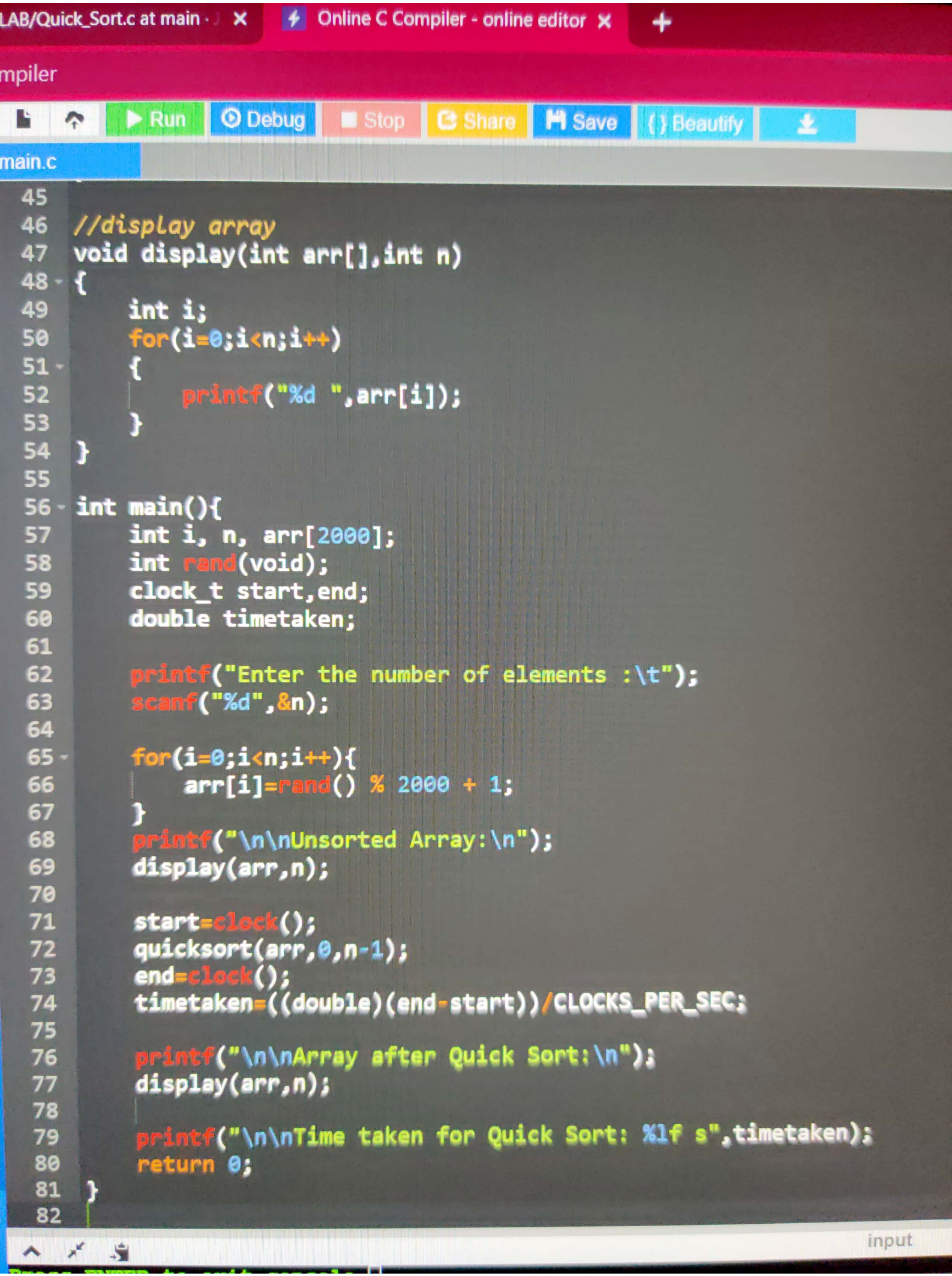
```
/*****************************************************************
                    Online C Compiler.
            Code, Compile, Run and Debug C program online.
Write your code in this editor and press "Run" button to compi
*****************************************************************/
#include <stdio.h>
#include <time.h>

void delay(){
    for (int i=0;i<10000000;i++){
        //delay
    }
}

void quicksort(int arr[2000],int f,int l){
    int i, j, pivot, temp;
    if(f<l){
        pivot=f;
        i=f;
        j=l;
        while(i<j){
            while(arr[i]<=arr[pivot]&&i<l){
                i++;
            }
            while(arr[j]>arr[pivot]){
                j--;
            }
            if(i<j){
                temp=arr[i];
                arr[i]=arr[j];
                arr[j]=temp;
            }
        }
        temp=arr[pivot];
        arr[pivot]=arr[j];
        arr[j]=temp;
```





```
Enter the number of elements :  5


Unsorted Array:
1384 887 778 916 1794

Array after Quick Sort:
778 887 916 1384 1794

Time taken for Quick Sort: 0.167881 s

...Program finished with exit code 0
Press ENTER to exit console.
```