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```c
#include <stdio.h>
#include <conio.h>
#define n 11

int A[n] = {25,12,38,15,20,45,34,3,29,7,22};
void sort (int l, int r);
int main () {
        int i, kiri, kanan, kali, X   ;
        clsrsc();

        printf("Sebelum di Sort : ");
        for (i=0; i<=n-1; i++)
        printf (" %d", A[i]);
        printf ("\n\n");

        sort (0, n-1);
        printf ("\nSetelah di Sort : ");
        for (i=0; i<=n-1; i++)
        printf (" %d", A[i]);

}

void sort (int kiri, int kanan) {
        int i , ii, j, x, pivot, w;
                i = kiri; j = kanan;
                pivot = A[i];
                        while (i<=j) {
                                while (A[i] < pivot) i++;
                                while (pivot < A [j]) j--;
                                        if (i<=j) {
                                                w = A[i]; A[i] = A[j]; A[j] = w;
                                                        i++; j--;
                                                }
                                }

        if (kiri <j) sort (kiri, j);
        if (i < kanan) sort (i, kanan);

}
```

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  praktik...1.cpp

```cpp
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#include <conio.h>
#define n 11

int A[n] = {25,12,38,15,20,45,34,3,29,7,22};
void sort (int l, int r);
int main () {
    int i, kiri, kanan, kali, X ;
    clsrsc();

    printf("Sebelum di Sort : ");
    for (i=0; i<=n-1; i++)
    printf (" %d", A[i]);
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    sort (0, n-1);
    printf ("\nSetelah di Sort : ");
    for (i=0; i<=n-1; i++)
    printf (" %d", A[i]);

}

void sort (int kiri, int kanan) {
    int i , ii, j, x, pivot, w;
    i = kiri; j = kanan;
        pivot = A[i];
            while (i<=j) {
                while (A[i] < pivot) i++;
                while (pivot < A [j]) j--;
                if (i<=j) {
                    w = A[i]; A[i] = A
                        i++; j--;
                    }
                }

        if (kiri <j) sort (kiri, j);
        if (i < kanan) sort (i, kanan);
}
```

```
C:\WINDOWS\SYSTEM32\cmd.exe

Sebelum di Sort :   25 12 38 15 20 45 34 3 29 7 22

Setelah di Sort :   3 7 12 15 20 22 25 29 34 38 45

------------------
(program exited with code: 0)

Press any key to continue . . .
```

g++ -Wall -o "praktikum1" "praktikum1.cpp" (in directory: D:\Exoream\Kuliah\Semester 2\Algoritma & Program 2\Contoh Program)

line: 27 / 44   col: 26   sel: 0   INS   TAB   MOD   mode: CRLF   encoding: UTF-8   filetype: C++   scope: sort