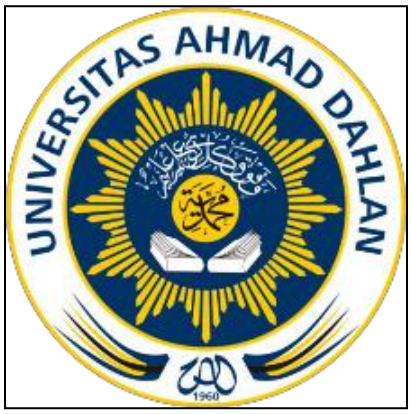
LAPORAN POSTEST

ALGORITMA PEMROGRAMAN



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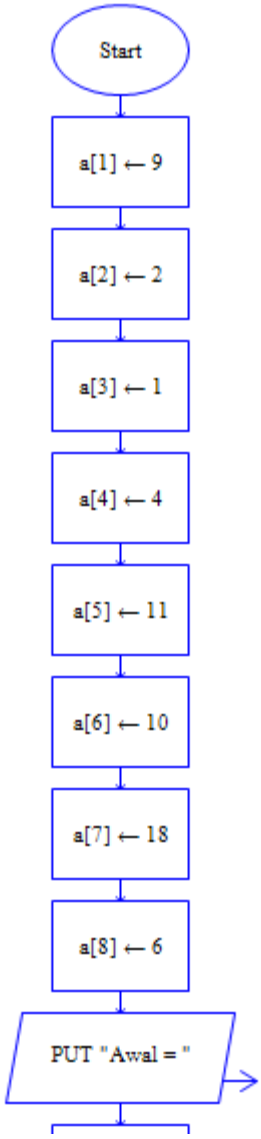
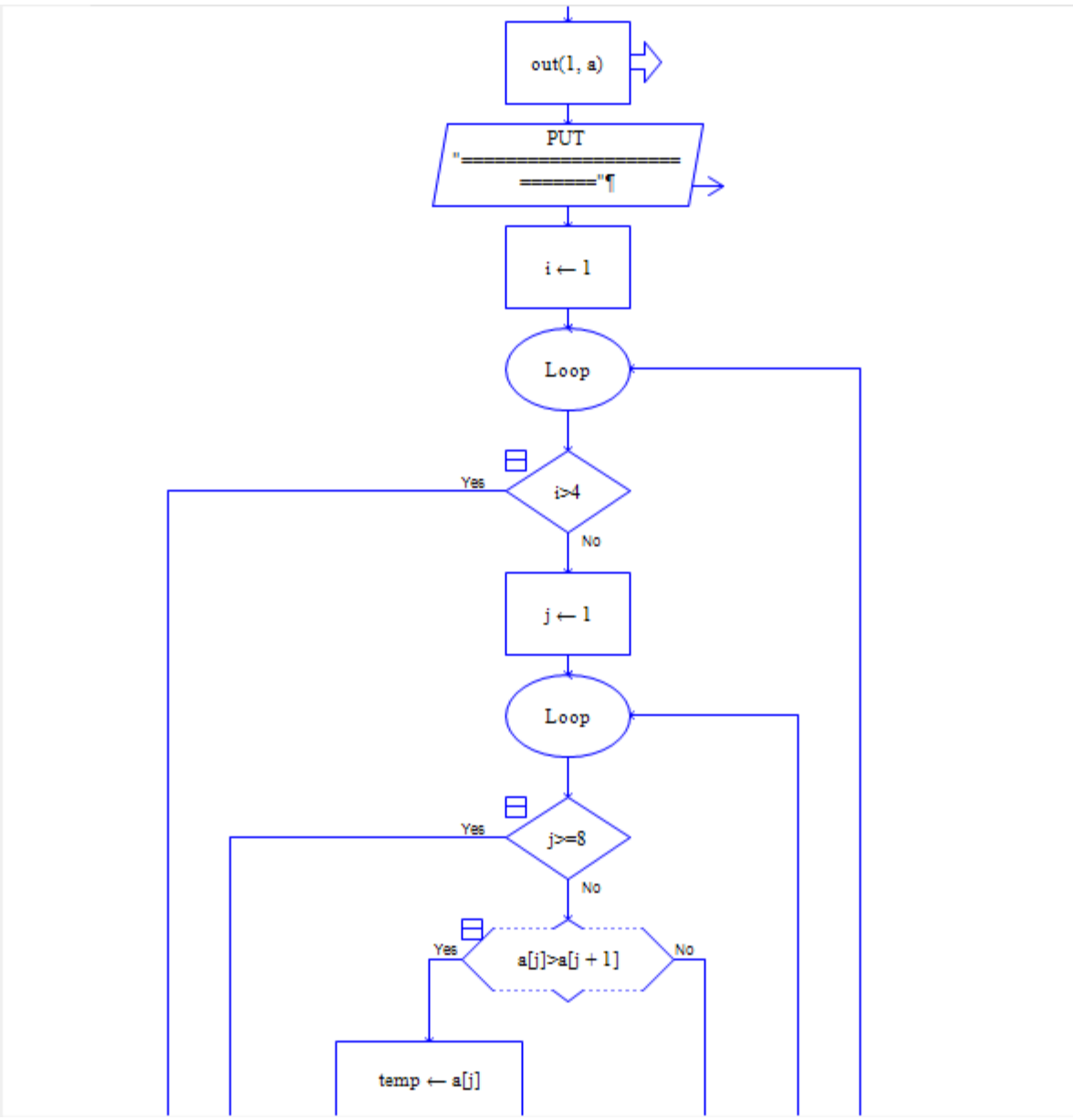
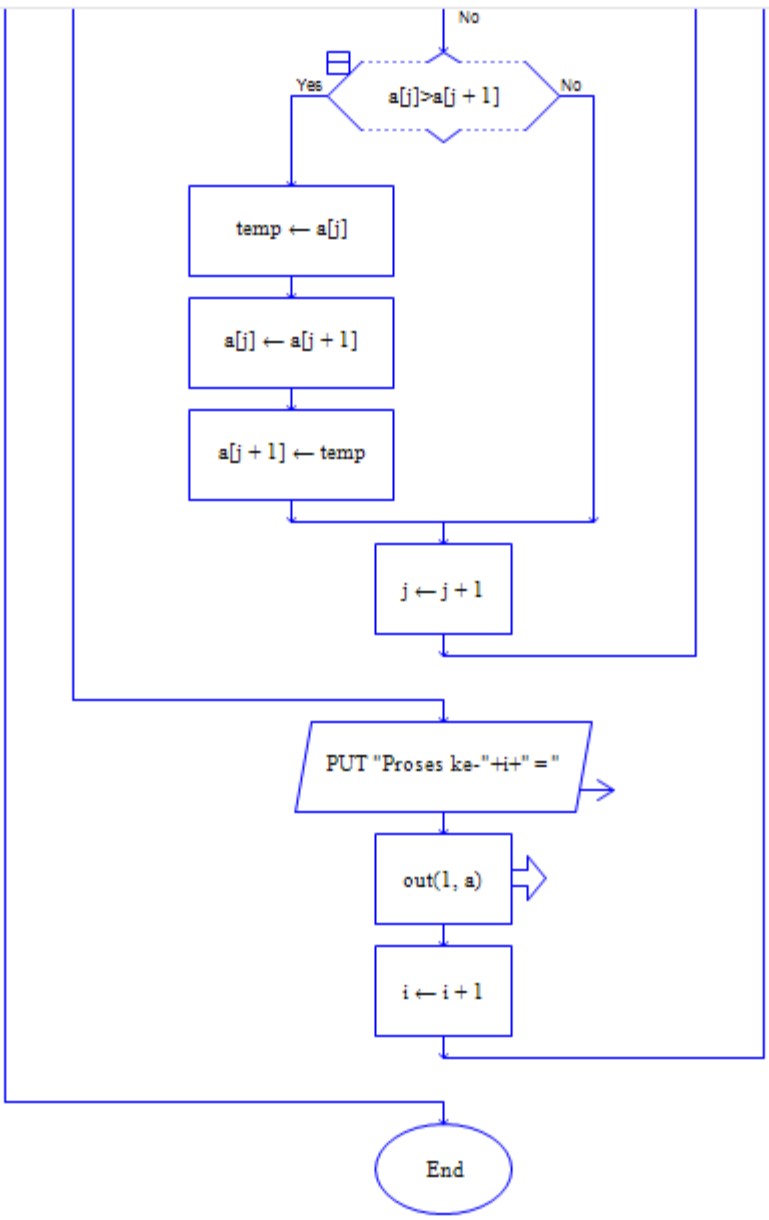
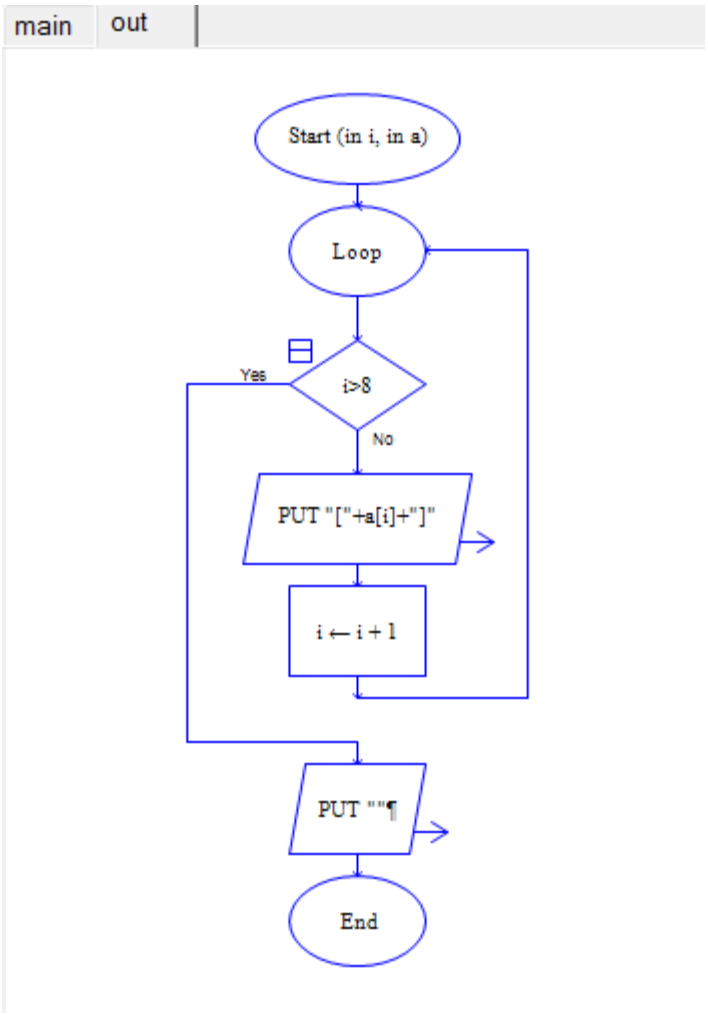

Start
a[1] ← 9
a[2] ← 2
a[3] ← 1
a[4] ← 4
a[5] ← 11
a[6] ← 10
a[7] ← 18
a[8] ← 6
PUT "Awal = "

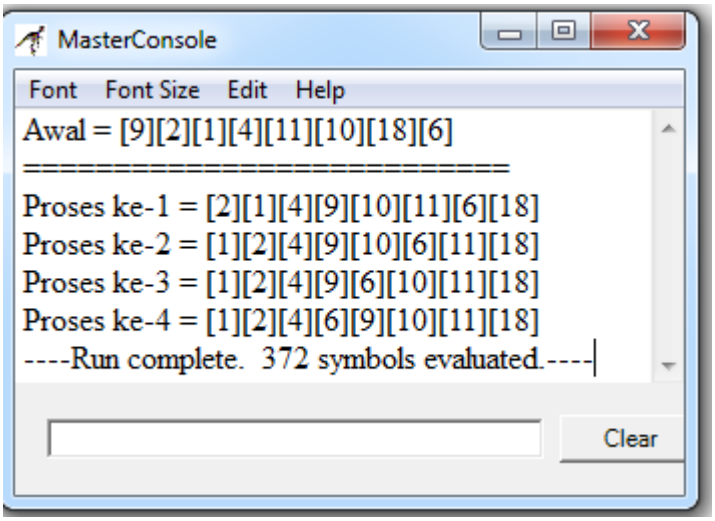

out(1, a)
PUT "==========="¶
i ← 1
Loop
i>4
Yes
No
j ← 1
Loop
j>=8
Yes
No
a[j]>a[j + 1]
Yes
No
temp ← a[j]


No
Yes
a[j]>a[j + 1]
No
temp ← a[j]
a[j] ← a[j + 1]
a[j + 1] ← temp
j ← j + 1
PUT "Proses ke-"+i+" = "
out(1, a)
i ← i + 1
End

Fungsi Main

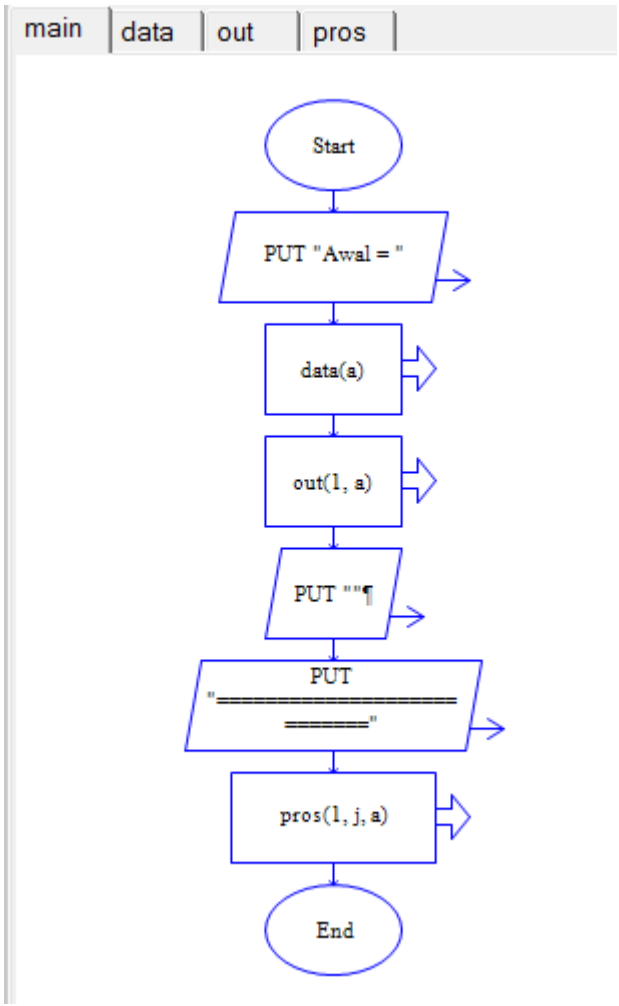


Fungsi out



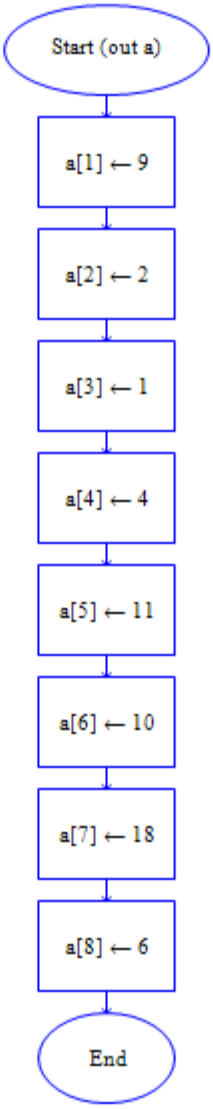
Hasil

Sub program



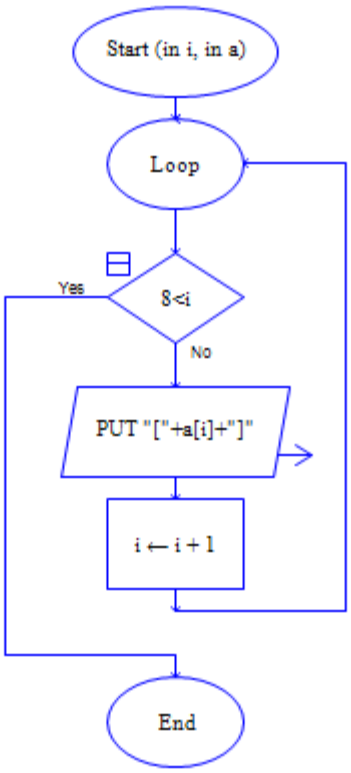
Main

main | data | out | pros



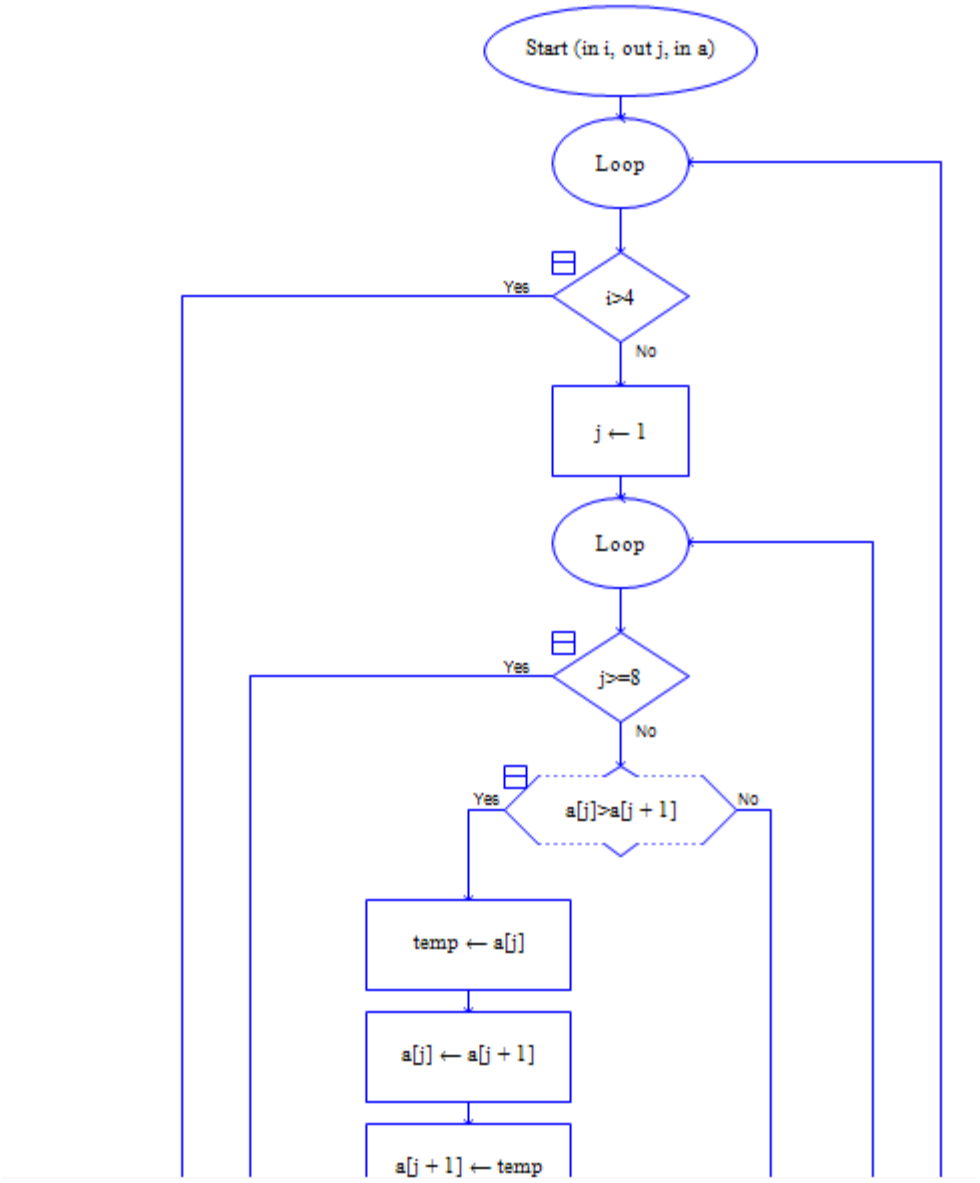
Data

main | data | out | pros

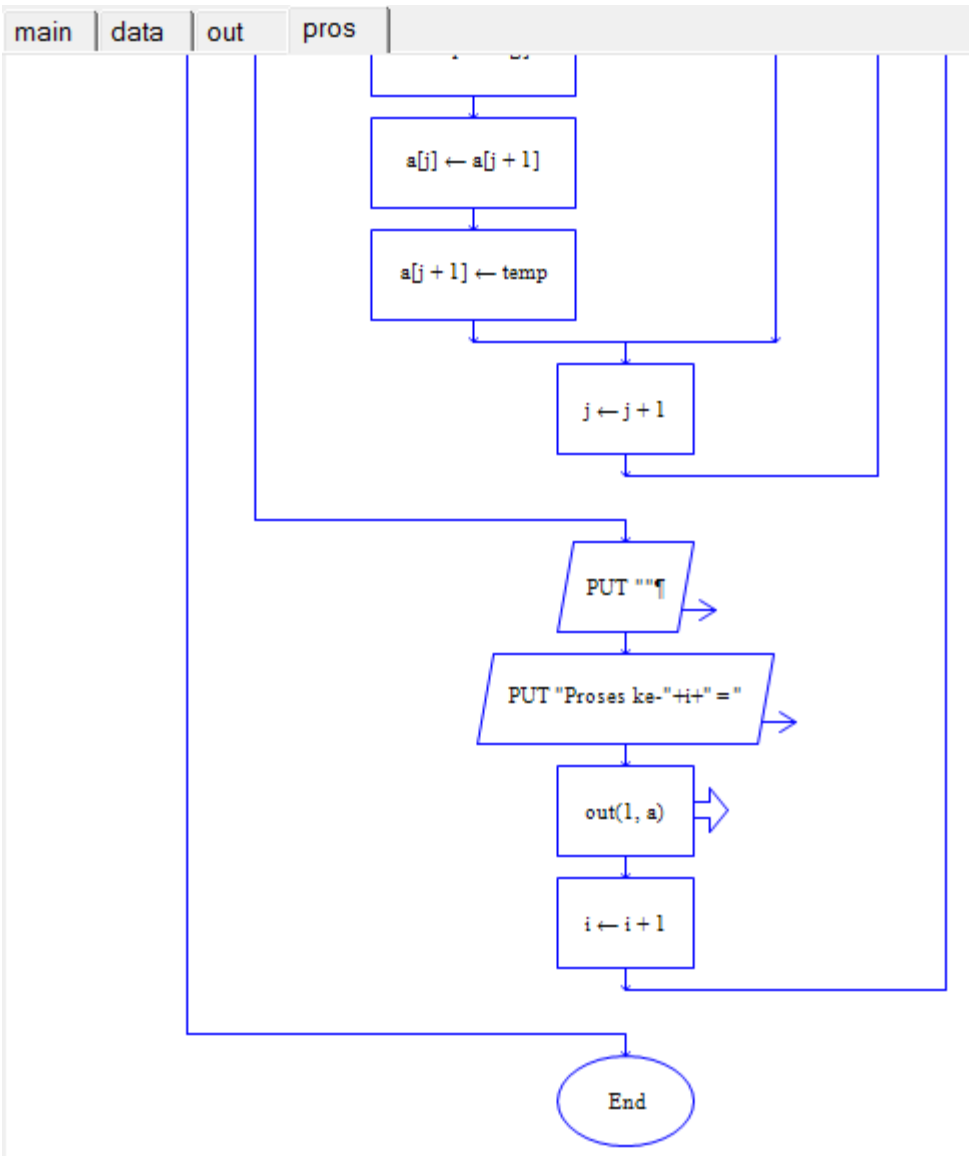


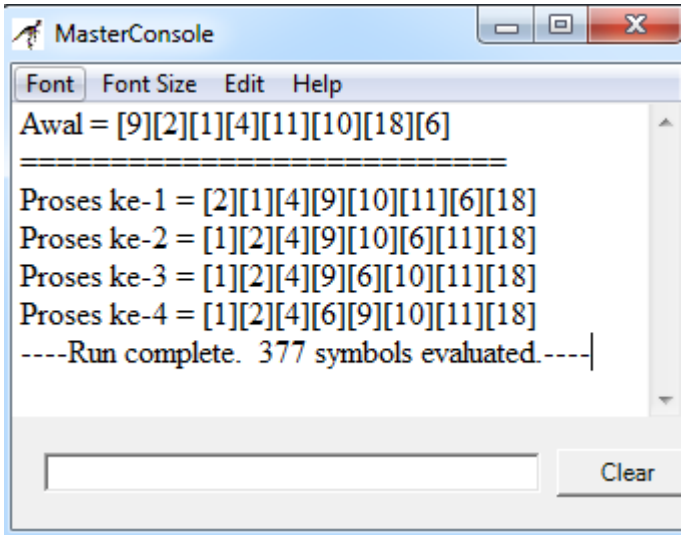
Out

main | data | out | pros



Pros


main
data
out
pros
a[j] ← a[j + 1]
a[j + 1] ← temp
j ← j + 1
PUT ""¶
PUT "Proses ke-"+i+" ="
out(1, a)
i ← i + 1
End


MasterConsole
Font
Font Size
Edit
Help
Awal = [9][2][1][4][11][10][18][6]
==========
Proses ke-1 = [2][1][4][9][10][11][6][18]
Proses ke-2 = [1][2][4][9][10][6][11][18]
Proses ke-3 = [1][2][4][9][6][10][11][18]
Proses ke-4 = [1][2][4][6][9][10][11][18]
----Run complete. 377 symbols evaluated.----
Clear

```cpp
#include <iostream>
#include <conio.h>
using namespace std;
class buble{
    private:
        int a[8]={9,2,1,4,11,10,18,6};
        int temp;
        bool swap;
    public:
        int output(){
            for(int i = 0; i < 8;i++){
                cout<<"["<<a[i]<<"]";
            }
            cout<<endl;
        }
        int proses(){
            for(int i = 0; i < 8; i++){
                swap=false;
                for(int j = 0;j < 7; j++){
                    if(a[j]>a[j+1]){
                            temp=a[j];
                            a[j]=a[j+1];
                            a[j+1]=temp;
                        swap =true;
                    }
                }
                if(swap==false){
                    break;
                }
                            cout<<"Proses ke-"<<i+1<<"= ";
                output();
            }
        }
};
int main(){
    buble p;
    cout<<"Nilai awal = ";p.output();
    p.proses();
}
```

Post.cpp

```
E:\Kuliah\SEMUA PRAKTIK II\Alpro\Prak Alpro\7\post.exe
Nilai awal = [9][2][1][4][11][10][18][6]
Proses ke-1= [2][1][4][9][10][11][6][18]
Proses ke-2= [1][2][4][9][10][6][11][18]
Proses ke-3= [1][2][4][9][6][10][11][18]
Proses ke-4= [1][2][4][6][9][10][11][18]

--------------------------------
Process exited after 0.02774 seconds with return value 0
Press any key to continue . . .
```

Hasil

post.h | main.cpp | post.cpp | prak.cpp

```
#include <iostream>
#include <conio.h>
using namespace std;
class buble{
    private:
        int a[8]={9,2,1,4,11,10,18,6};
        int temp;
        bool swap;
    public:
        int output(){
            for(int i = 0; i < 8;i++){
                cout<<"["<<a[i]<<"]";
            }
            cout<<endl;
        }
        int proses(){
            for(int i = 0; i < 8; i++){
                swap=false;
                for(int j = 0;j < 7; j++){
                    if(a[j]>a[j+1]){
                            temp=a[j];
                            a[j]=a[j+1];
                            a[j+1]=temp;
                        swap =true;
                    }
                }
                if(swap==false){
                    break;
                }
                            cout<<"Proses ke-"<<i+1<<"= ";
                output();
            }
        }
};
```

Post.h

post.h | main.cpp | post.cpp | prak.cpp

```
#include "post.h"
int main(){
    buble p;
    cout<<"Nilai awal = ";p.output();
    p.proses();
}
```

```
E:\Kuliah\SEMUA PRAKTIK II\Alpro\Prak Alpro\7\main.exe
Nilai awal = [9][2][1][4][11][10][18][6]
Proses ke-1= [2][1][4][9][10][11][6][18]
Proses ke-2= [1][2][4][9][10][6][11][18]
Proses ke-3= [1][2][4][9][6][10][11][18]
Proses ke-4= [1][2][4][6][9][10][11][18]

--------------------------------
Process exited after 0.01799 seconds with return value 0
Press any key to continue . . .
```

Main.cpp dan hasil

Link

https://github.com/142Eko/Prak-alpro/tree/master/7/Kode