NAMA   : KHOLILLUDIN COSTULLANI

JURUSAN   : SISTEM INFORMASI (SI)

MATA KULIAH   : PRATIKUM ALGORITMA DAN PEMOGRAMAN 2

PERTEMUAN   : 13 UAS

```cpp
#include<iostream>
using namespace std;
void bubbleSort(int data[], int n){
   int temp;
 for (int i = 0; i < n-1; i++)
   {
   for (int j = i+1; j < n; j++)
   {
      if (data[i]>data[j])
     {
        temp = data[i];
        data[i]=data[j];
        data[j]=temp;
     }
   }
   }
}
int main(){
   int length;
        cout<<" Nama        : KHOLILLUDIN COSTULLANI"<<endl;
        cout<<" Kelas       : SISTEM INFORMASI"<<endl;
        cout<<" Mata Kuliah   : Algoritma & Pemograman 2"<<endl<<endl;
   cout<<"UAS ALGORITMA PENGURUTAN BUBLE SORT"<<endl;
        cout<<"Masukkan banyak elemen : ";
   cin>>length;
   cout<<"Masukan Nilai"<<endl;
   int data[length];
   for (int i = 0; i < length; i++)
   {
```
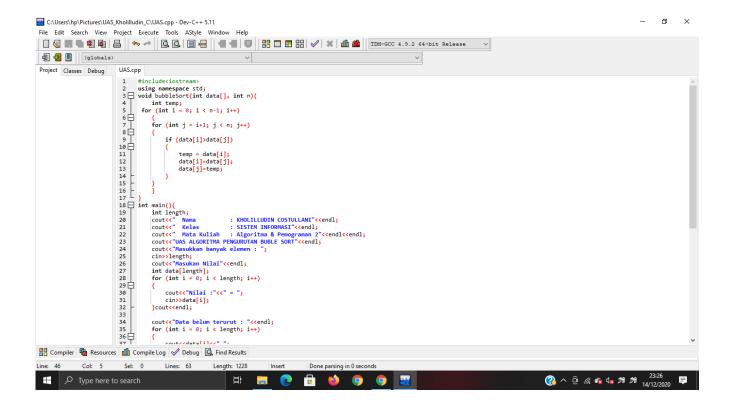
```cpp
        cout<<"Nilai :"<<" = ";

        cin>>data[i];

    }cout<<endl;


    cout<<"Data belum terurut : "<<endl;

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

    {

        cout<<data[i]<<" ";

    }cout<<endl;


    bubbleSort(data,length);

    cout<<"Hasil Data Pengurutan Buble Sort Sebagai Berikut : "<<endl;

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

    {

        cout<<data[i]<<" ";

    }cout<<endl;


    cin.get();

    return 0;

}
```

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

(globals)

UAS.cpp

```cpp
28        for (int i = 0; i < length; i++)
29        {
30            cout<<"Nilai :"<<" = ";
31            cin>>data[i];
32        }cout<<endl;
33
34        cout<<"Data belum terurut : "<<endl;
35        for (int i = 0; i < length; i++)
36        {
37            cout<<data[i]<<" ";
38        }cout<<endl;
39
40        bubbleSort(data,length);
41        cout<<"Hasil Data Pengurutan Buble Sort Sebagai Berikut : "<<endl;
42        for (int i = 0; i < length; i++)
43        {
44            cout<<data[i]<<" ";
45        }cout<<endl;
46
47        cin.get();
48        return 0;
49    }
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63
```

Compiler   Resources   Compile Log   Debug   Find Results

Line: 46   Col: 5   Sel: 0   Lines: 63   Length: 1228   Insert   Done parsing in 0 seconds

Type here to search

23:27
14/12/2020

```
   Nama         : KHOLILLUDIN COSTULLANI
   Kelas        : SISTEM INFORMASI
   Mata Kuliah  : Algoritma & Pemograman 2

UAS ALGORITMA PENGURUTAN BUBLE SORT
Masukkan banyak elemen : 5
Masukan Nilai
Nilai : = 20
Nilai : = 10
Nilai : = 40
Nilai : = 50
Nilai : = 30

Data belum terurut :
20 10 40 50 30
Hasil Data Pengurutan Buble Sort Sebagai Berikut :
10 20 30 40 50

--------------------------------
Process exited after 47.4 seconds with return value 0
Press any key to continue . . .
```