```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        : SITI SAVIRA "<<endl;  cout<<" Kelas      : SISTEM
INFORMASI"<<endl;  cout<<" Mata Kuliah   : Algoritma & Pemoggraamaan 2
"<<endl<<endl;      cout<<"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<<"Data sudah terurut : "<<endl;
    for (int i = 0; i < length;
i++)
    {
        cout<<data[i]<<" ";
    }cout<<endl;


}
```

C:\Users\acer\Documents\semester 3\UAS\UAS.exe

```
Nama              : SITI SAVIRA
Kelas             : SISTEM INFORMASI
Mata Kuliah       : Algoritma & Pemoggraamaan 2

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
Data sudah terurut :
10 20 30 40 50

--------------------------------
Process exited after 42.16 seconds with return value 0
Press any key to continue . . . _
```

```
32         }cout<<endl;
33
34         cout<<"Data belum terurut : "<<endl;
```