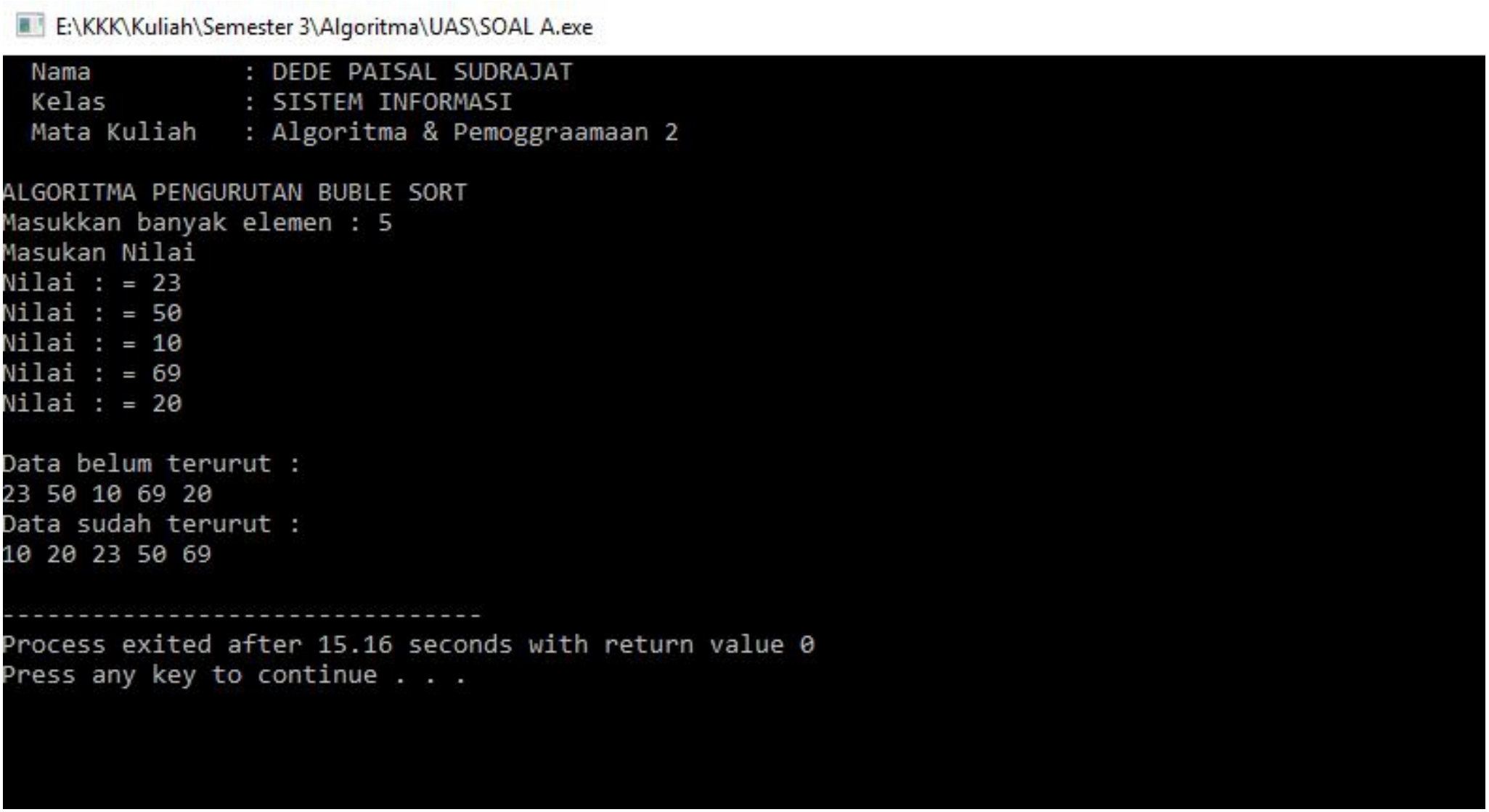
[*] SOAL A.cpp | SOAL B.cpp

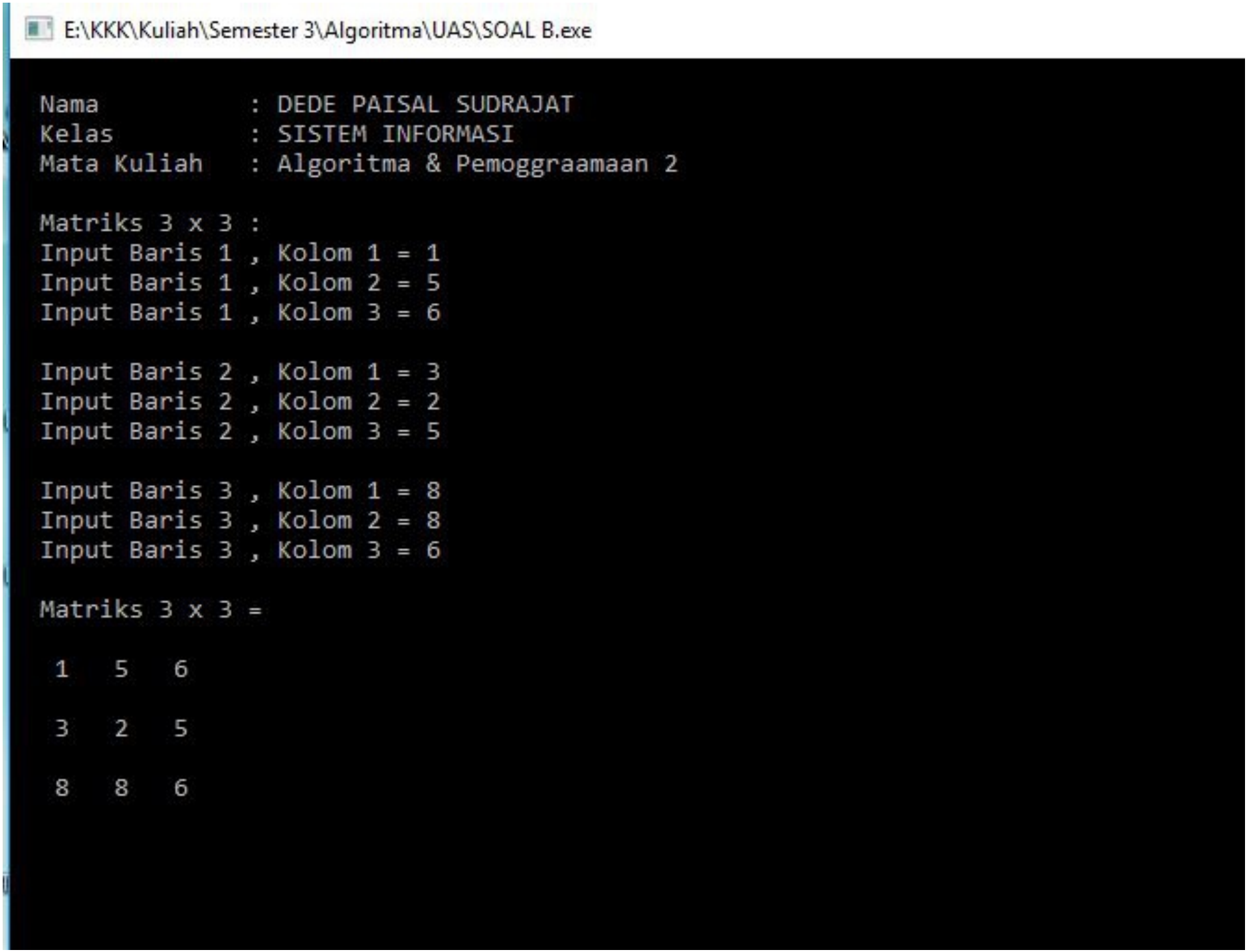
```cpp
#include<iostream>
using namespace std;
void bubbleSort(int data[], int n){
    int temp;
 for (int i = 0; i < n-1; i++)
    {
    for (int j = i+1; j < n; j++)
    {
        if (data[i]>data[j])
        {
            temp = data[i];
            data[i]=data[j];
            data[j]=temp;
        }
    }
    }
}
int main(){
    int length;
    cout<<"  Nama           : DEDE PAISAL SUDRAJAT "<<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++)
    {
        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;
}
```


E:\KKK\Kuliah\Semester 3\Algoritma\UAS\SOAL A.exe
Nama : DEDE PAISAL SUDRAJAT
Kelas : SISTEM INFORMASI
Mata Kuliah : Algoritma & Pemoggraamaan 2
ALGORITMA PENGURUTAN BUBLE SORT
Masukkan banyak elemen : 5
Masukan Nilai
Nilai : = 23
Nilai : = 50
Nilai : = 10
Nilai : = 69
Nilai : = 20
Data belum terurut :
23 50 10 69 20
Data sudah terurut :
10 20 23 50 69

Process exited after 15.16 seconds with return value 0
Press any key to continue . . .

SOAL A.cpp | SOAL B.cpp

```cpp
#include<iostream>
#include<conio.h>
#include<iomanip>
using namespace std;
main()
{
cout<<endl;
cout<<"  Nama           : DEDE PAISAL SUDRAJAT "<<endl;
cout<<"  Kelas          : SISTEM INFORMASI"<<endl;
cout<<"  Mata Kuliah    : Algoritma & Pemoggraamaan 2 "<<endl<<endl;

int a[3][3],b[3][3],c[3][3],i,j,k;

cout<<"  Matriks 3 x 3 :";
cout<<endl;;
for(i=0;i<3;i++){
for(j=0;j<3;j++){

cout<<"  Input Baris "<<(i+1)<<" , Kolom "<<(j+1)<<" = ";

cin>>a[i][j];}
cout<<endl;}

cout<<"  Matriks 3 x 3 = "<<endl<<endl;

for(i=0;i<3;i++){
for(j=0;j<3;j++){
cout<<setw(4)<<a[i][j];}
cout<<endl<<endl;}
getch ();
}

```


E:\KKK\Kuliah\Semester 3\Algoritma\UAS\SOAL B.exe
Nama : DEDE PAISAL SUDRAJAT
Kelas : SISTEM INFORMASI
Mata Kuliah : Algoritma & Pemoggraamaan 2
Matriks 3 x 3 :
Input Baris 1 , Kolom 1 = 1
Input Baris 1 , Kolom 2 = 5
Input Baris 1 , Kolom 3 = 6
Input Baris 2 , Kolom 1 = 3
Input Baris 2 , Kolom 2 = 2
Input Baris 2 , Kolom 3 = 5
Input Baris 3 , Kolom 1 = 8
Input Baris 3 , Kolom 2 = 8
Input Baris 3 , Kolom 3 = 6
Matriks 3 x 3 =
1 5 6
3 2 5
8 8 6