

Nama : SITI KURNIATI
NPM : 2019-804-369
PRODI : SISTEM INFORMASI (MALAM)
SEMESTER : 3

UAS ALGORITMA DAN PEMOGRAMAN

JAWABAN

1.

```
#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 KURNIATI "<<endl;
    cout<<" Kelas : SISTEM INFORMASI (MALAM)"<<endl;
```

```

        cout<<" Mata Kuliah : Algoritma & Pemogramaan 2 "<<endl<<endl;
        cout<<"UAS ALGORITMA DAN PEMOGRAMAN 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;

    bubbleSort(data,length);
    cout<<"Hasil Pengurutan Buble Sort Sebagai Berikut : "<<endl;
    for (int i = 0; i < length; i++)
    {
        cout<<data[i]<<" ";
    }cout<<endl;

}

```

D:\algoritmaweb2\UAS\Nomer1.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes De D:\algoritmaweb2\UAS\Nomer1.exe

```
Nama      : SITI KURNIATI
Kelas    : SISTEM INFORMASI (MALAM)
Mata Kuliah : Algoritma & Pemoggraamaan 2

UAS ALGORITMA DAN PEMOGRAMAN 2

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

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

-----
Process exited after 18.26 seconds with return value 0
Press any key to continue . . .
```

Compiler R
Abort Compilation

☐ Shorten compiler paths

- Output Filename: D:\algoritmaweb2\UAS\Nomer1.exe
- Output Size: 1,83363246917725 MiB
- Compilation Time: 1,13s

Line: 37 Col: 55 Sel: 0 Lines: 43 Length: 1084 Insert Done parsing in 0 seconds

Type here to search

23:38 14/12/2020

2.

```
#include<iostream>
#include<conio.h>
#include<iomanip>
using namespace std;
main()
{
    cout<<endl;
    cout<<" Nama      : SITI KURNIATI"<<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;

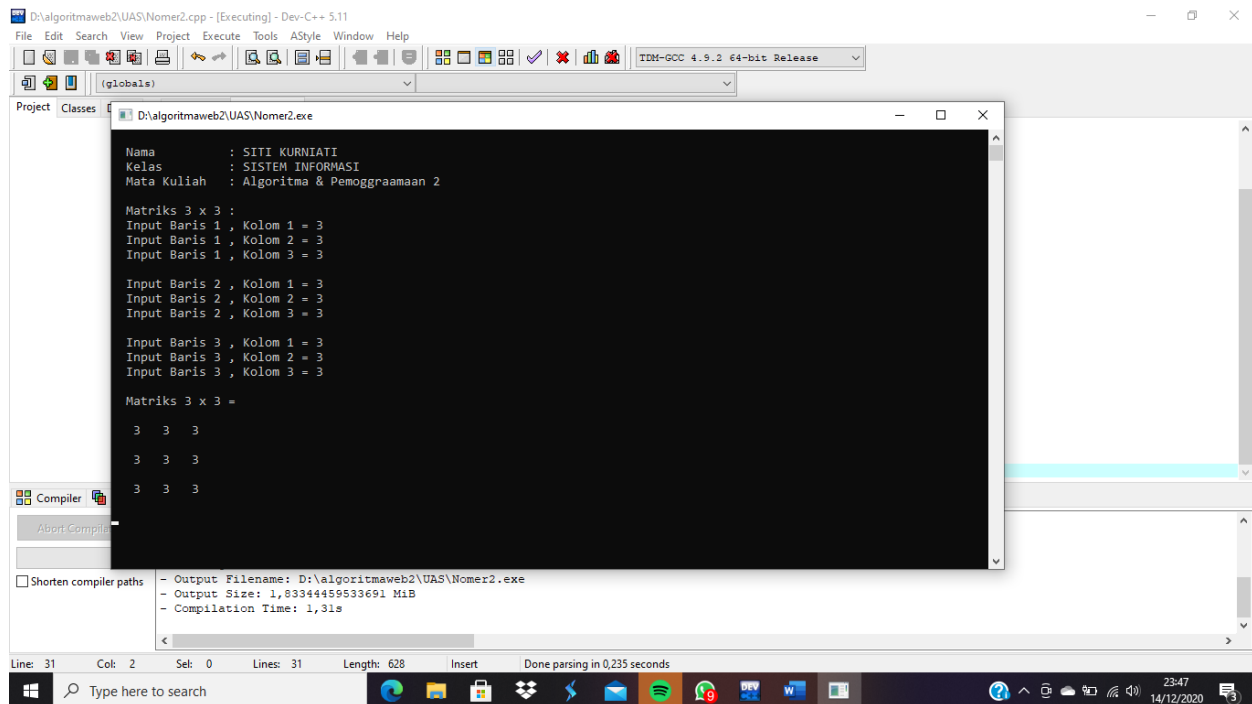
    cout<<" Matriks 3 x 3 :";
    cout<<endl;;
    for(i=0;i<3;i++){
        for(j=0;j<3;j++){
```

```
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 ();  
}
```



```
D:\algoritmaweb2\UAS\Nomer2.cpp - [Executing] - Dev-C++ 5.11  
File Edit Search View Project Execute Tools AStyle Window Help  
(gloabale)  
Project Classes D:\algoritmaweb2\UAS\Nomer2.exe  
Nama : SITI KURNIATI  
Kelas : SISTEM INFORMASI  
Mata Kuliah : Algoritma & Pemoggraamaan 2  
  
Matriks 3 x 3 :  
Input Baris 1 , Kolom 1 = 3  
Input Baris 1 , Kolom 2 = 3  
Input Baris 1 , Kolom 3 = 3  
  
Input Baris 2 , Kolom 1 = 3  
Input Baris 2 , Kolom 2 = 3  
Input Baris 2 , Kolom 3 = 3  
  
Input Baris 3 , Kolom 1 = 3  
Input Baris 3 , Kolom 2 = 3  
Input Baris 3 , Kolom 3 = 3  
  
Matriks 3 x 3 =  
3 3 3  
3 3 3  
3 3 3  
  
Compiler  
About Compiler  
Shorten compiler paths  
- Output Filename: D:\algoritmaweb2\UAS\Nomer2.exe  
- Output Size: 1,83344459533691 MiB  
- Compilation Time: 1,31s  
Line: 31 Col: 2 Sel: 0 Lines: 31 Length: 628 Insert Done parsing in 0,235 seconds  
Type here to search 23:47 14/12/2020
```