Nama   :   SITI KURNIATI

NPM   :   2019-804-369

PRODI   :   SISTEM INFORMASI (MALAM)

SEMESTER   :   3

UAS ALGORITMA DAN PEMOGRAMAN

JAWABAN

   1.

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

```cpp
    cout<<" Mata Kuliah   : Algoritma & Pemoggraamaan 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;


}
```

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.
```cpp
#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++){
```
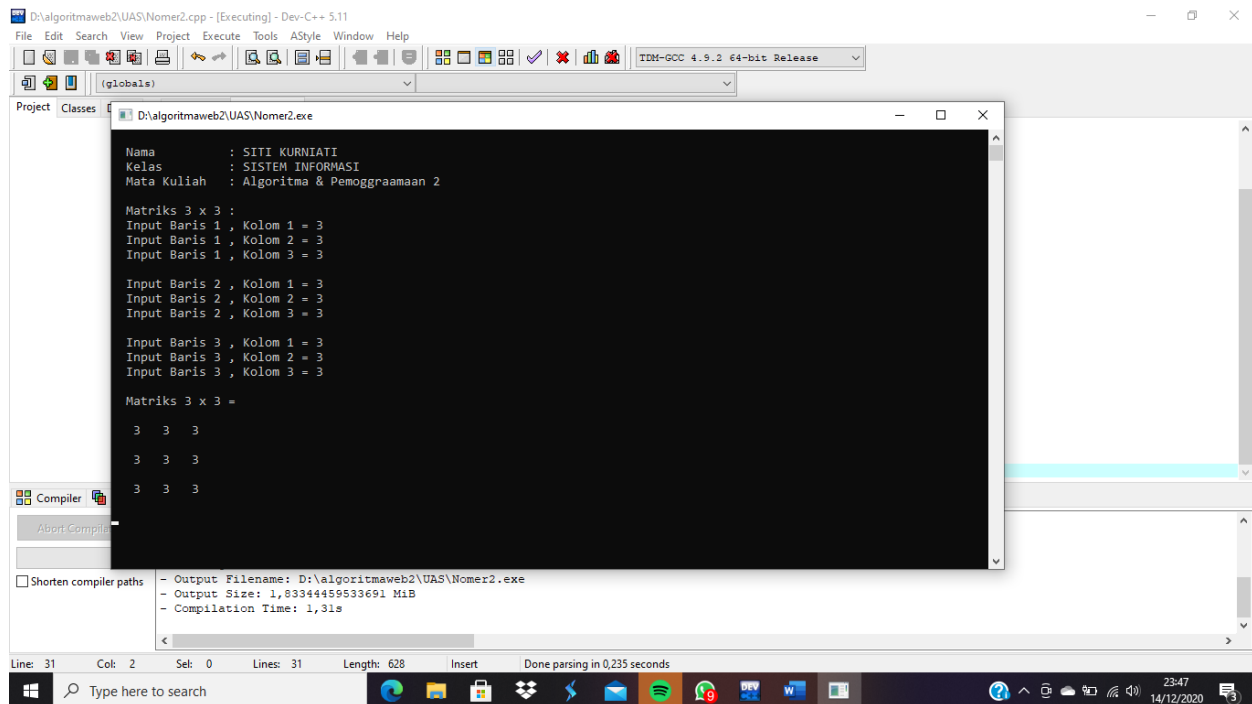
```cpp
cout<<"  Input Baris "<<(i+1)<<" , Kolom "<<(j+1)<<" = ";

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 ();
}
```