

Jawaban

```
#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      : GISNE GARNIA "<<endl;
    cout<<" Kelas      : SISTEM INFORMASI"<<endl;
    cout<<" Mata Kuliah  : Algoritma & Pemoggraamaan 2 "<<endl<<endl;

    cout<<"ALGORITMA PENGURUTAN BUBLE SORT"<<endl;
```

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        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;

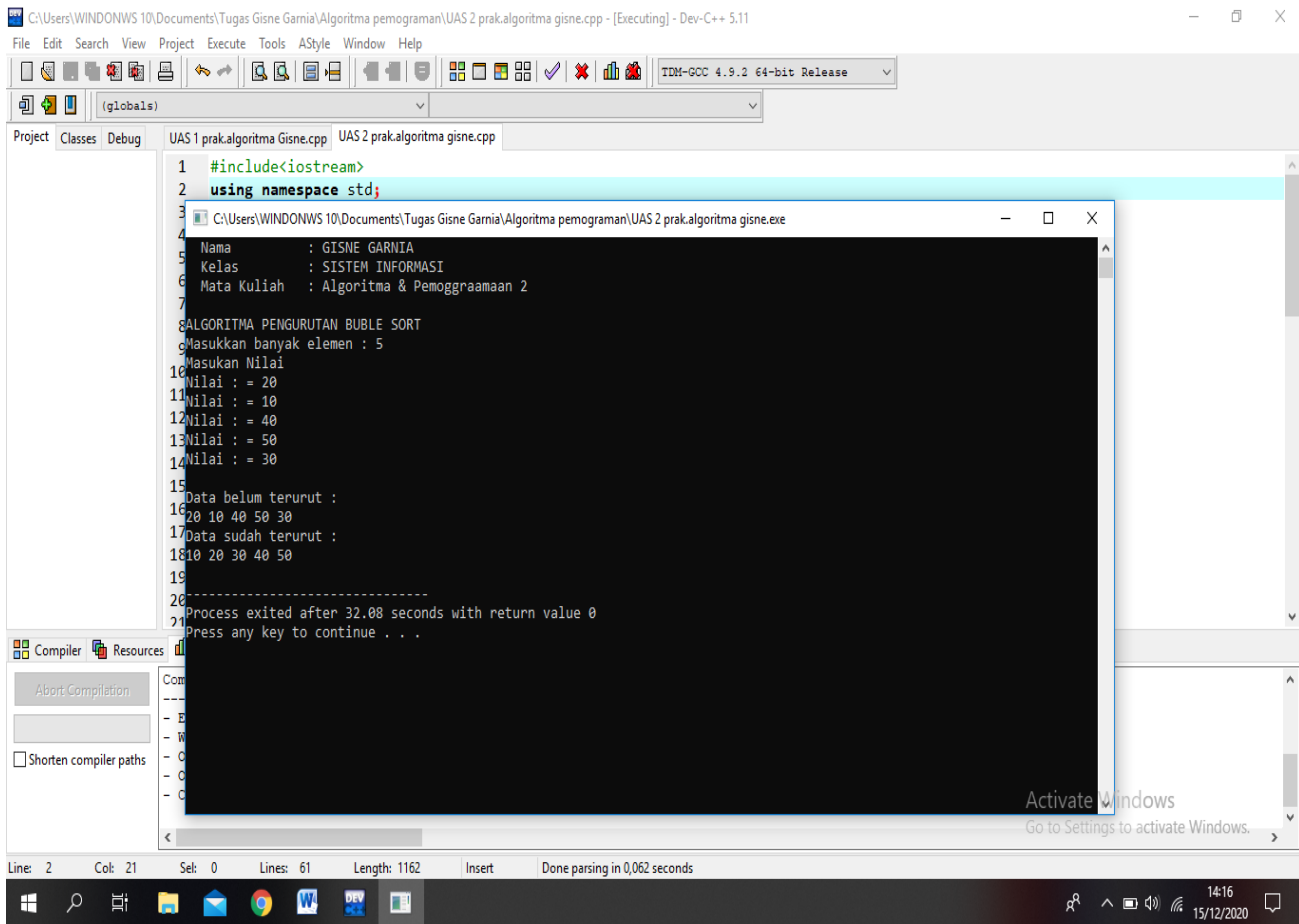

bubbleSort(data,length);

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

for (int i = 0; i < length; i++)
{
    cout<<data[i]<<" ";
}cout<<endl;

}

```



```

#include<iostream>

#include<conio.h>

#include<iomanip>

using namespace std;

main()
{
    cout<<endl;

    cout<<" Nama      : GISNE GARNIA "<<endl;

    cout<<" Kelas      : SISTEM INFORMASI"<<endl;

    cout<<" Mata Kuliah  : Algoritma & Pemogrammaan 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;

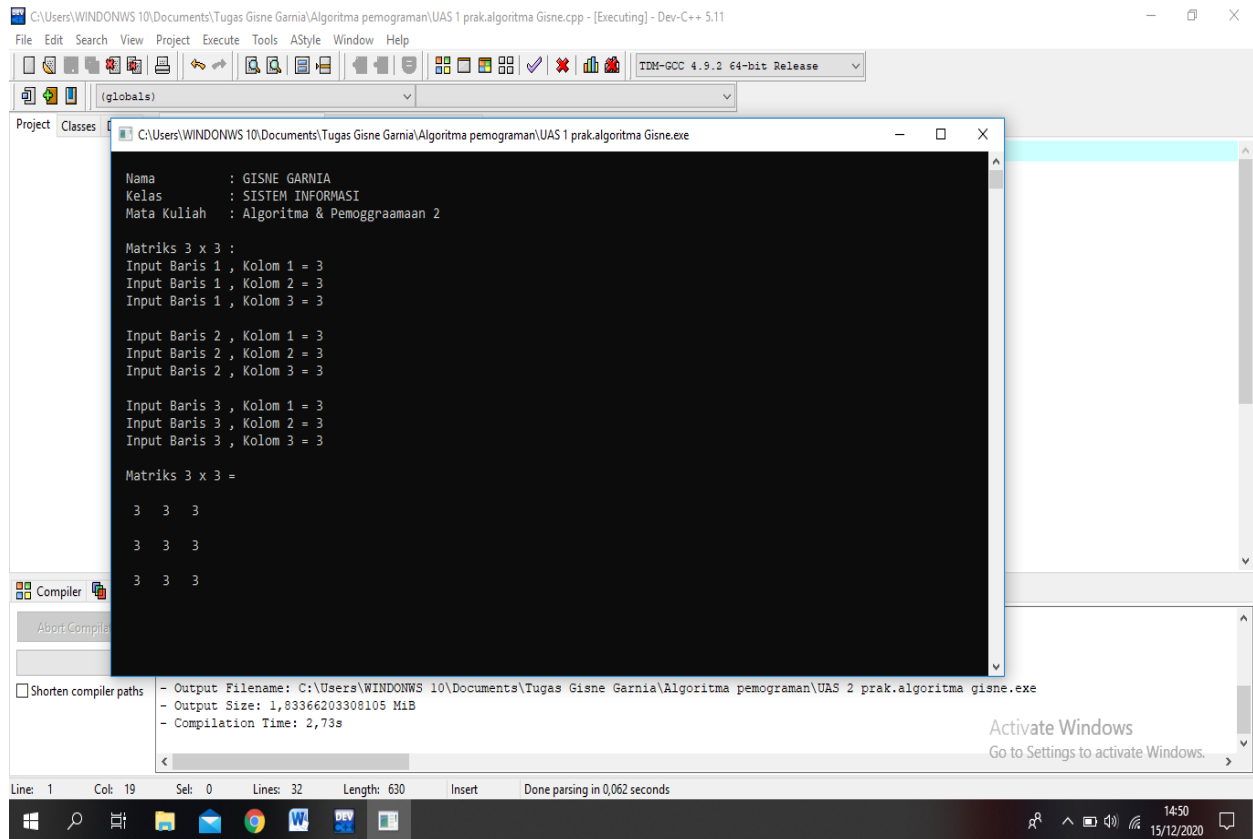
    for(i=0;i<3;i++){
    for(j=0;j<3;j++){

    cout<<setw(4)<<a[i][j];}

    cout<<endl<<endl;}

```

```
getch();  
  
}
```



The screenshot shows the Dev-C++ IDE with the following components:

- Title Bar:** C:\Users\WINDONWS 10\Documents\Tugas Gisne Garnia\Algoritma pemograman\UAS 1 prak.algoritma Gisne.cpp - [Executing] - Dev-C++ 5.11
- Menu Bar:** File, Edit, Search, View, Project, Execute, Tools, AStyle, Window, Help
- Toolbar:** Standard IDE icons for file operations, editing, and execution.
- Compiler:** TDM-GCC 4.9.2 64-bit Release
- Project/Classes:** C:\Users\WINDONWS 10\Documents\Tugas Gisne Garnia\Algoritma pemograman\UAS 1 prak.algoritma Gisne.exe
- Output Window:**

```
Nama      : GISNE GARNIA  
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 Output:**

```
- Output Filename: C:\Users\WINDONWS 10\Documents\Tugas Gisne Garnia\Algoritma pemograman\UAS 2 prak.algoritma gisne.exe  
- Output Size: 1,83366203308105 MiB  
- Compilation Time: 2,73s
```
- Status Bar:** Line: 1, Col: 19, Sel: 0, Lines: 32, Length: 630, Insert, Done parsing in 0,062 seconds
- Taskbar:** Windows taskbar with icons for File Explorer, Chrome, Word, and others. System clock shows 14:50 on 15/12/2020.