

UAS 1

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#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      : LINA NURFITRI LELA GHAS ";<<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;

}
```

UAS 2

```
#include<iostream>
#include<conio.h>
#include<iomanip>
using namespace std;
main()
{
    cout<<endl;
    cout<<" Nama      : LINA NURFITRI LELA GHAAUS "<<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++){
```

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

```
cout<<endl<<endl;}
```

```
getch ();
```

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}
```