

Assalamualaikum

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Algoritma & Pemrograman 2

Pertemuan 12

Codingan 1 :

```
/*Mengurutkan data dengan metode Seleksi
Maksimum*/
#include<iostream>
using namespace std;
void SeleksiMaksimum(int data[],int n);
/*prototipe fungsi*/
int main(void)
{
    int i;
    int n=9;//Index terbesar
    int data[]={5,10,32,100,60,12,70,25,45,65};
    //cout<<"Sebelum diurutkan :"<<endl;
    for(i=0;i<=n;i++)
        cout<<data[i]<<" ";
    cout<<endl;
    cout<<"_____ "<<endl;
    SeleksiMaksimum(data,n);
    cout<<"Setelah diurutkan"<<endl;
    for(i=0;i<=n;i++)
        cout<<data[i]<<" ";
```

```
cout<<endl;

}

void SeleksiMaksimum(int array1[],int n)

{

int i,j,tmp,imaks;

for(i=n;i>=1;i--)

{

imaks=0;

for(j=1;j<=i;j++)

{

if(array1[j]>array1[imaks])

imaks=j;

}

tmp=array1[imaks];

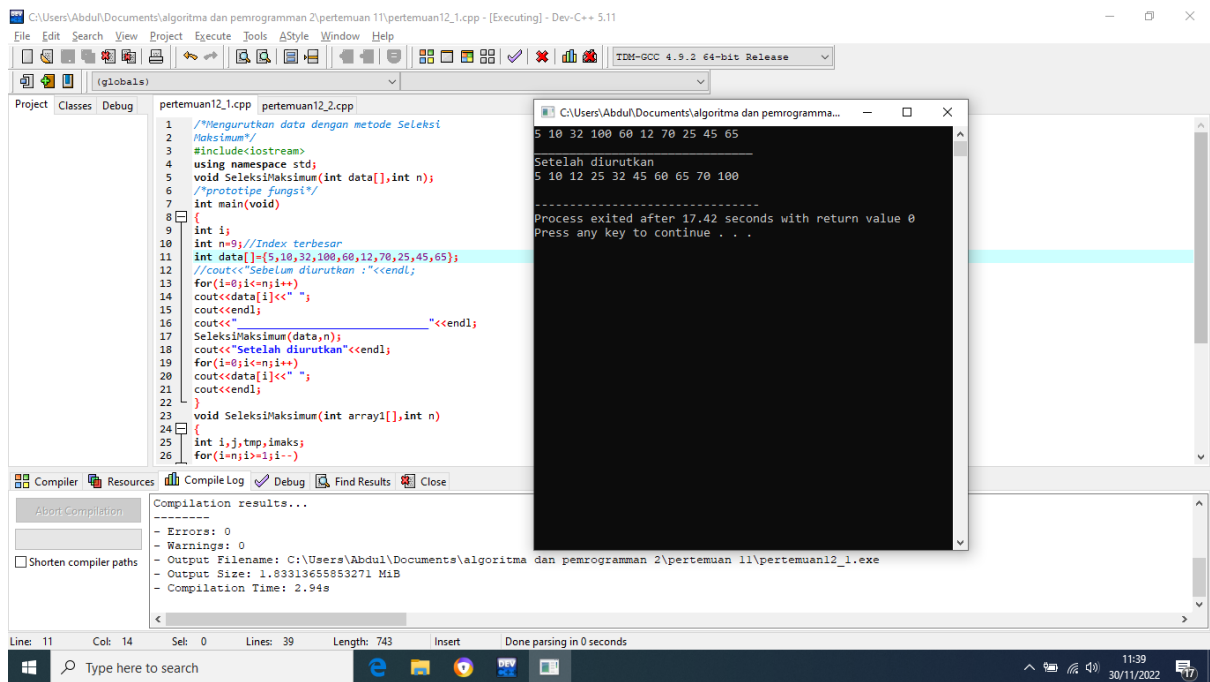
array1[imaks]=array1

[i];

array1[i]=tmp;

}

}
```



Codingan 2:

/\*Mengurutkan data dengan metode Seleksi

Minimum\*/

#include<iostream>

using namespace std;

void SeleksiMinimum(int data[],int n);

/\*prototipe fungsi\*/

int main(void)

{

int i;

int n=9;//Index terbesar

int

data[]={5,10,32,100,60,12,70,25,45,65};

cout<<"Sebelum diurutkan : "<<endl;

for(i=0;i<=n;i++)

cout<<data[i]<<" ";

```

cout<<endl;

cout<<"_____ "<<endl;

SeleksiMinimum(data,n);

cout<<"Setelah diurutkan"<<endl;

for(i=0;i<=n;i++)

cout<<data[i]<<" ";

cout<<endl;

}

void

SeleksiMinimum(int array1[],int n)

{

int i,j,tmp,imin;

for(i=0;i<=n-1;i++)

{

imin=i;

for(j=i+1;j<=n;j++)

{

if(array1[j]<array1[imin])

imin=j;

}

tmp=array1[imin];

array1[imin]=array1[i];

array1[i]=tmp;

}

}

```

