LAPORAN STRUKTUR DATA
UJIAN AKHIR SEMESTER

Disusun Oleh:

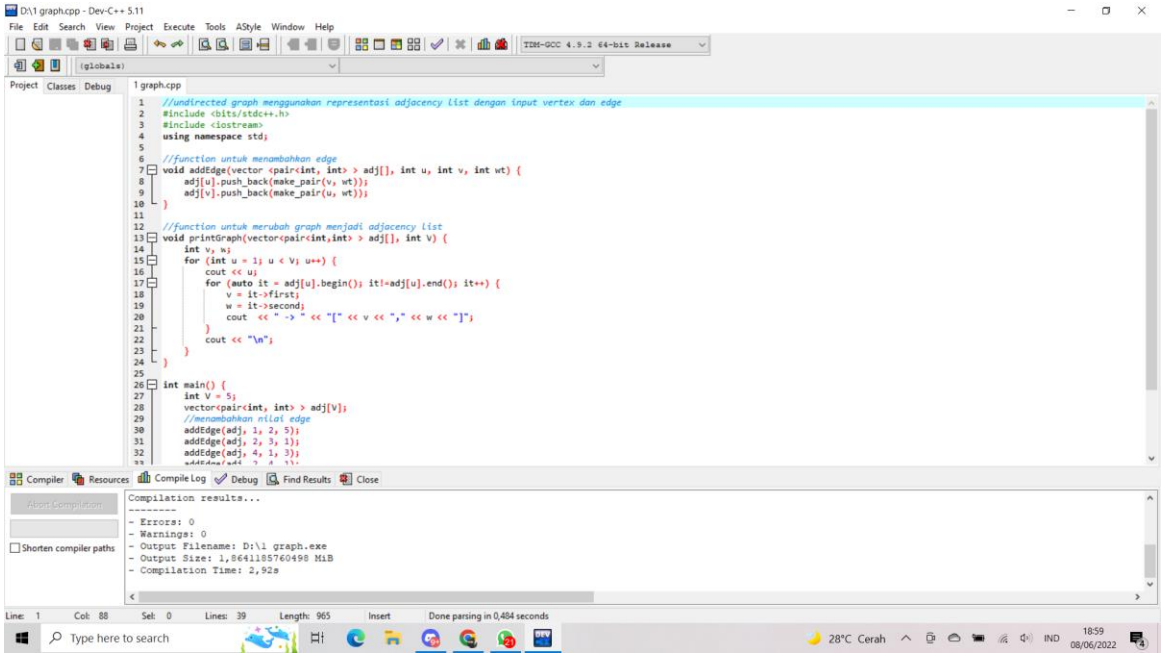
Filusive Nathan Fernanda (21091397073)

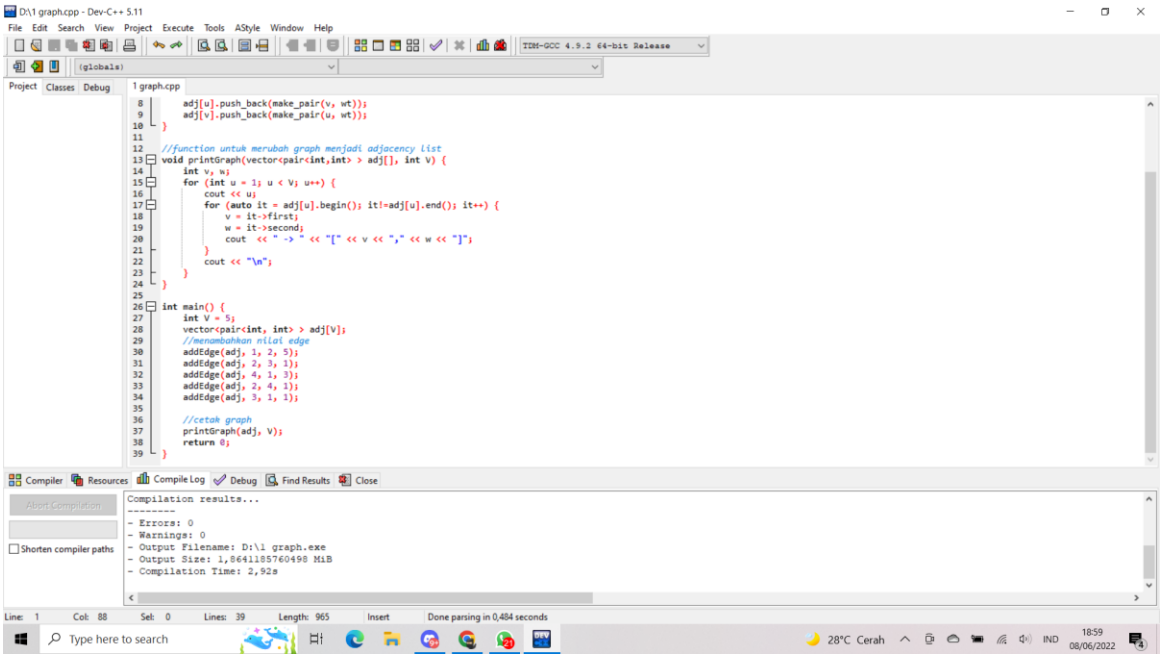
Kelas : 2021 A

FAKULTAS VOKASI PROGRAM STUDI D4 MANAJEMEN INFORMATIKA UNIVERSITAS NEGERI SURABAYA 2022

Nomor 1 :

- **Input :**





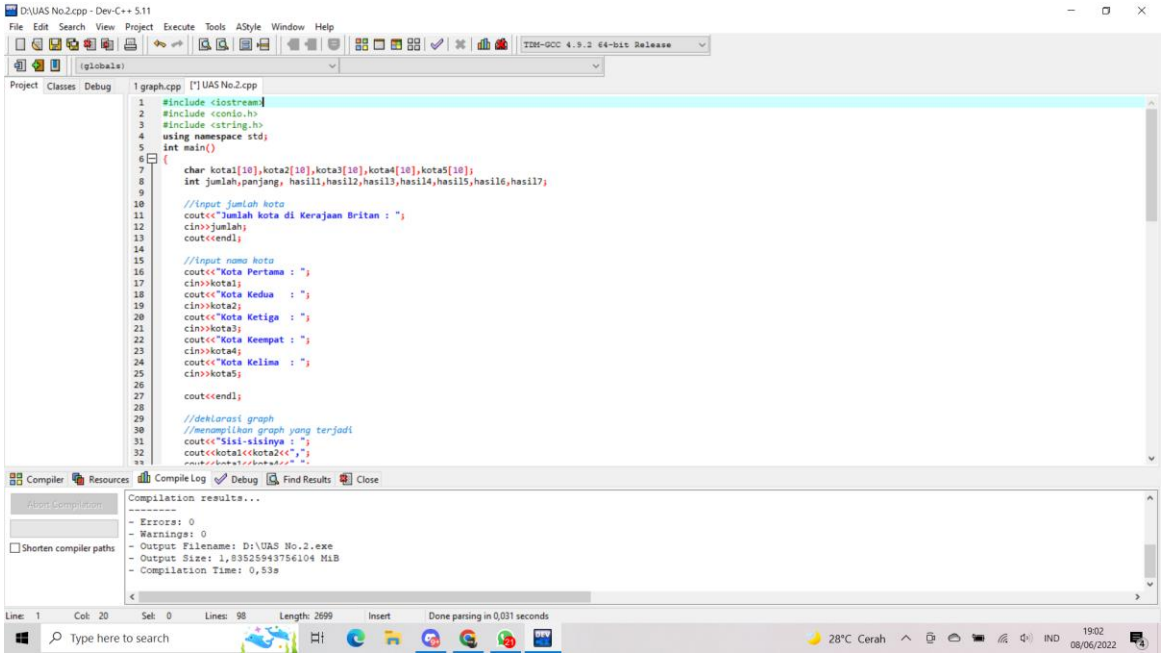
- **Output :**

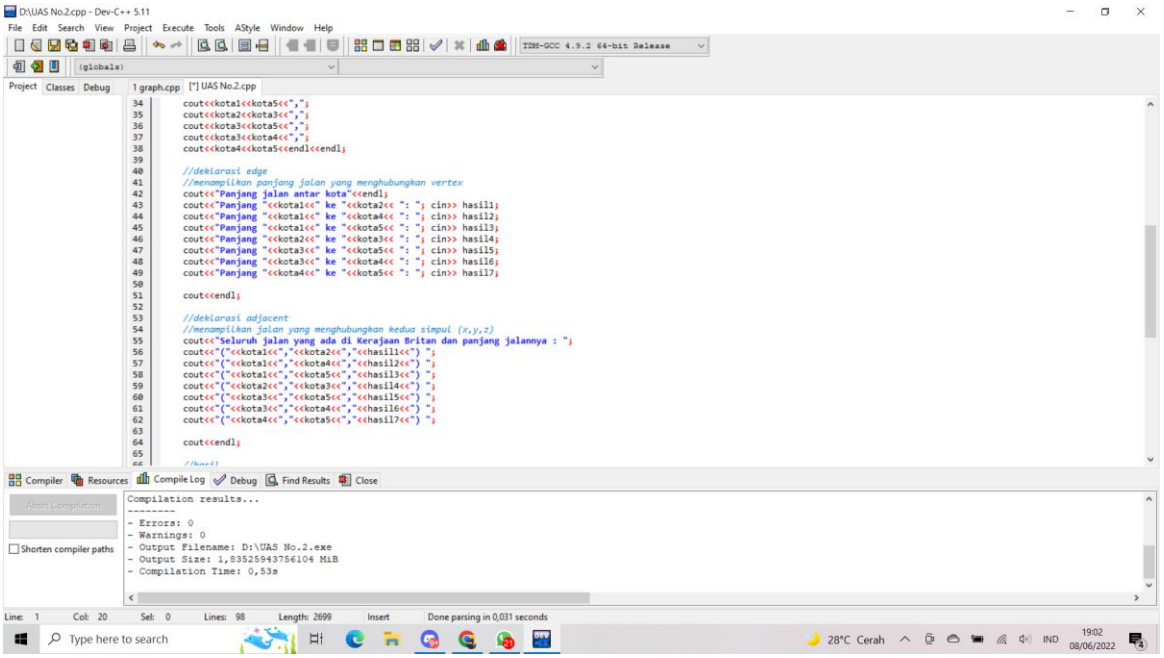

D:\1 graph.exe
1 -> [2,5] -> [4,3] -> [3,1]
2 -> [1,5] -> [3,1] -> [4,1]
3 -> [2,1] -> [1,1]
4 -> [1,3] -> [2,1]

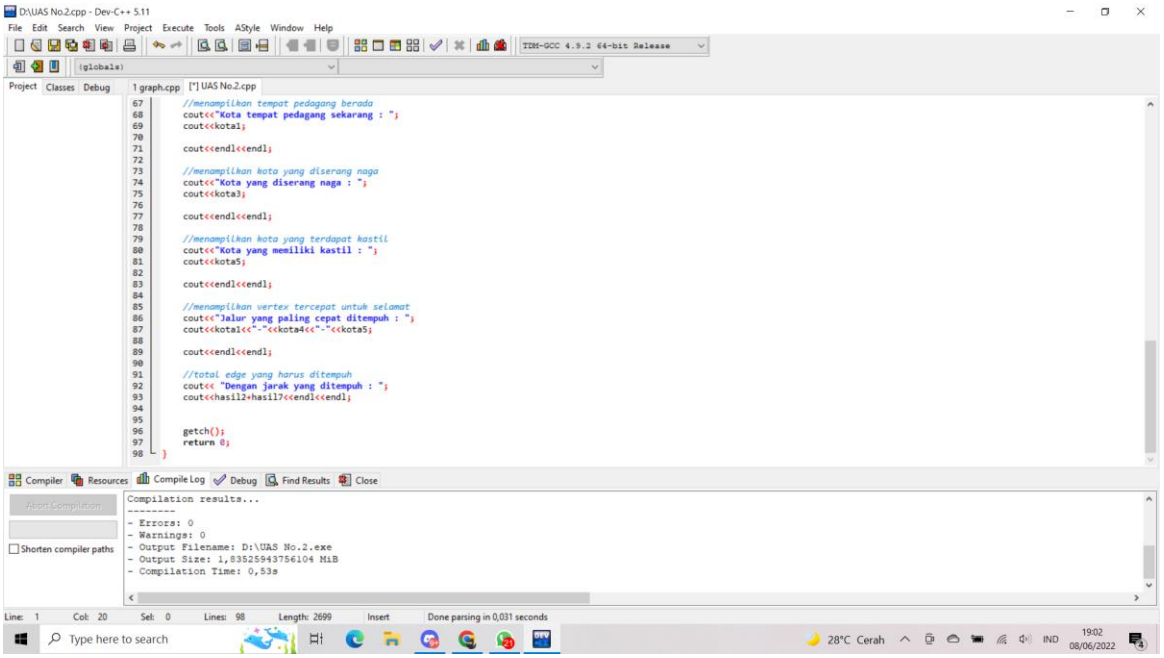
Process exited after 0.04635 seconds with return value 0
Press any key to continue . . .

Nomor 2 :

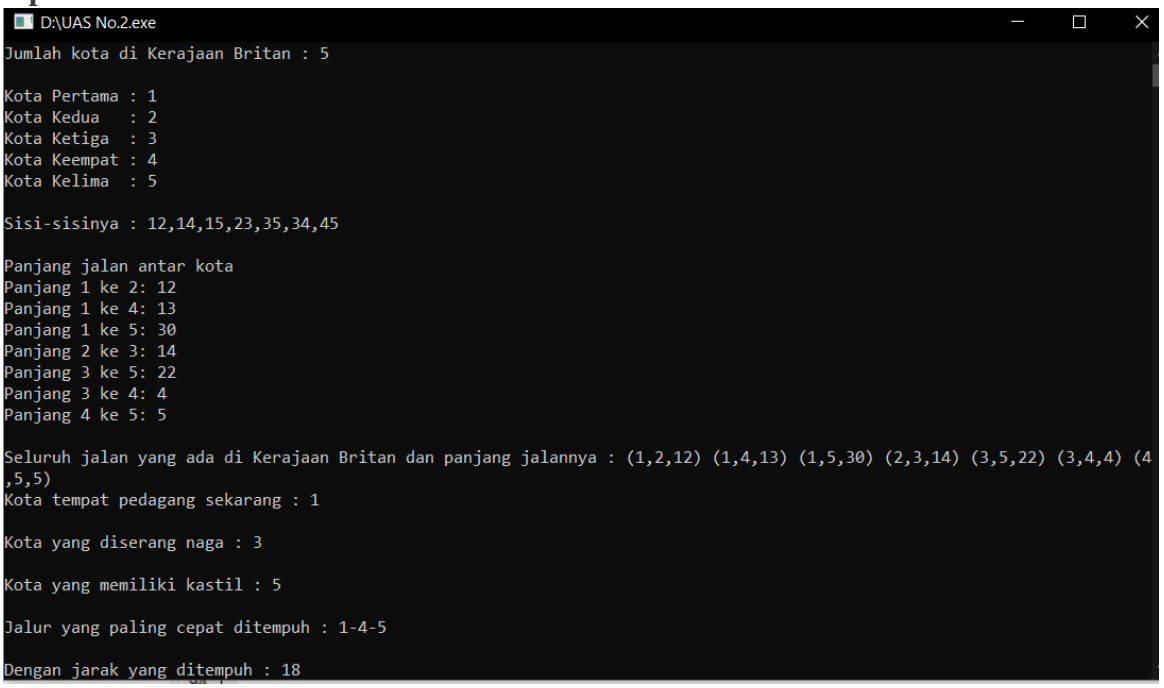
- **Input :**




D:\UAS No.2.cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
1 graph.cpp [*] UAS No.2.cpp
cout<<kota1<<kota5<<",";
cout<<kota2<<kota3<<",";
cout<<kota3<<kota5<<",";
cout<<kota3<<kota4<<",";
cout<<kota4<<kota5<<endl<<endl;
//deklarasi edge
//menampilkan panjang jalan yang menghubungkan vertex
cout<<"Panjang jalan antar kota"<<endl;
cout<<"Panjang "<<kota1<<" ke "<<kota2<< ": "; cin>> hasil1;
cout<<"Panjang "<<kota1<<" ke "<<kota4<< ": "; cin>> hasil2;
cout<<"Panjang "<<kota1<<" ke "<<kota5<< ": "; cin>> hasil3;
cout<<"Panjang "<<kota2<<" ke "<<kota3<< ": "; cin>> hasil4;
cout<<"Panjang "<<kota3<<" ke "<<kota5<< ": "; cin>> hasil5;
cout<<"Panjang "<<kota3<<" ke "<<kota4<< ": "; cin>> hasil6;
cout<<"Panjang "<<kota4<<" ke "<<kota5<< ": "; cin>> hasil7;
cout<<endl;
//deklarasi adjacent
//menampilkan jalan yang menghubungkan kedua simpul (x,y,z)
cout<<"Seluruh jalan yang ada di Kerajaan Britan dan panjang jalannya : ";
cout<<"("<<kota1<<","<<kota2<<","<<hasil1<<") ";
cout<<"("<<kota1<<","<<kota4<<","<<hasil2<<") ";
cout<<"("<<kota1<<","<<kota5<<","<<hasil3<<") ";
cout<<"("<<kota2<<","<<kota3<<","<<hasil4<<") ";
cout<<"("<<kota3<<","<<kota5<<","<<hasil5<<") ";
cout<<"("<<kota3<<","<<kota4<<","<<hasil6<<") ";
cout<<"("<<kota4<<","<<kota5<<","<<hasil7<<") ";
cout<<endl;
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: D:\UAS No.2.exe
- Output Size: 1,83525943756104 MiB
- Compilation Time: 0,53s
Line: 1 Col: 20 Sel: 0 Lines: 98 Length: 2699 Insert Done parsing in 0,031 seconds
Type here to search
28°C Cerah
IND
19:02
08/06/2022


D:\UAS No.2.cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
1 graph.cpp [*] UAS No.2.cpp
//menampilkan tempat pedagang berada
cout<<"Kota tempat pedagang sekarang : ";
cout<<kota1;
cout<<endl<<endl;
//menampilkan kota yang diserang naga
cout<<"Kota yang diserang naga : ";
cout<<kota3;
cout<<endl<<endl;
//menampilkan kota yang terdapat kastil
cout<<"Kota yang memiliki kastil : ";
cout<<kota5;
cout<<endl<<endl;
//menampilkan vertex tercepat untuk selamat
cout<<"Jalur yang paling cepat ditempuh : ";
cout<<kota1<<"-"<<kota4<<"-"<<kota5;
cout<<endl<<endl;
//total edge yang harus ditempuh
cout<< "Dengan jarak yang ditempuh : ";
cout<<hasil2+hasil7<<endl<<endl;
getch();
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: D:\UAS No.2.exe
- Output Size: 1,83525943756104 MiB
- Compilation Time: 0,53s
Line: 1 Col: 20 Sel: 0 Lines: 98 Length: 2699 Insert Done parsing in 0,031 seconds
Type here to search
28°C Cerah
IND
19:02
08/06/2022

- **Output :**


D:\UAS No.2.exe
Jumlah kota di Kerajaan Britan : 5
Kota Pertama : 1
Kota Kedua : 2
Kota Ketiga : 3
Kota Keempat : 4
Kota Kelima : 5
Sisi-sisinya : 12,14,15,23,35,34,45
Panjang jalan antar kota
Panjang 1 ke 2: 12
Panjang 1 ke 4: 13
Panjang 1 ke 5: 30
Panjang 2 ke 3: 14
Panjang 3 ke 5: 22
Panjang 3 ke 4: 4
Panjang 4 ke 5: 5
Seluruh jalan yang ada di Kerajaan Britan dan panjang jalannya : (1,2,12) (1,4,13) (1,5,30) (2,3,14) (3,5,22) (3,4,4) (4
,5,5)
Kota tempat pedagang sekarang : 1
Kota yang diserang naga : 3
Kota yang memiliki kastil : 5
Jalur yang paling cepat ditempuh : 1-4-5
Dengan jarak yang ditempuh : 18