## LAPORAN STRUKTUR DATA PROJECT UAS ADJACENCY



## Disusun oleh:

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Kelas: A

UNIVERSITAS NEGERI SURABAYA
PRODI DIV MANAJEMEN INFORMATIKA 2021

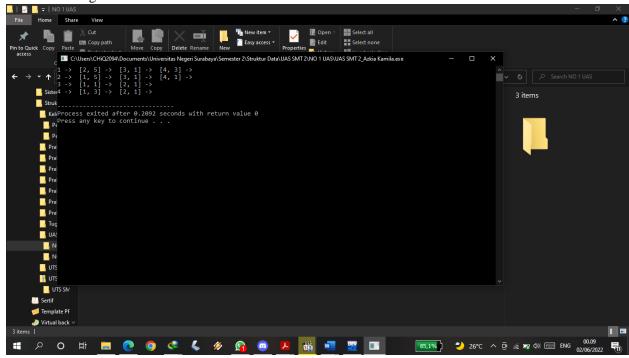
## **SOAL NOMOR 1**

1. Program C++

```
C:\Users\CHiQ2094\Documents\Universitas Negeri Surabaya\Semester 2\Struktur Data\UAS SMT 2\NO 1 UA5\UAS SMT 2_Azkia Kamila.cpp - Dev-C++ 5.11
                                                                                                                                                                                                                                                                                                                                                                                                       o
  File Edit Search View Project Execute Tools AStyle Window Help
  (globals)
  Project Classes ( ) UAS SMT 2_Azkia Kamila.cpp
                                                #include <iostream>
#include <fstream>
#include <fstream>
#include <vector>
#include #include #include #include </i>
#include #include </i>
#include 
                                             int nodeid, weight:
                                                                           edge (int id, int w)
                                                                                  nodeid = id;
weight = w;
                                                                            int getnodeid ()
                                                                           int getweightid ()
                                                                                 return weight;
                                                                 int total_node, node_1, node_2, w;
ifstream input ("test.txt"); // Mengambil data dari file test.txt
input >> total_node;
vector < list <edge> adjlist (total_node);
while (input >> node_1 >> node_2 >> w)
// file 
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 File Edit Search View Project Execute Tools AStyle Window Help
  (globals)
  Project Classes 

UAS SMT 2_Azkia Kamila.cpp
                                              int main ()
                                                                  int total_node, node_1, node_2, w;
ifstream Input ("test.txt"); // Nengambil data dari file test.txt
input >> total_node;
vector < list <edge> > adjlist (total_node);
while (input >> node_1 >> node_2 >> w)
                                              31 32 33 34 35 36 37 40 41 42 43 444 45 46 47 47 55 55 55 55 55 55 55 56 57 }
                                                                        adjlist [node_1-1] .push_back (edge (node_2, w));
                                                                  }
int c = 1;
vector < list <edge> > :: iterator i;
for (i = adjlist.begin(); i != adjlist.end(); i++)
                                                                        cout < c < " -> ";
list <edge> li = "i;
list <edge> :: iterator iter;
for (iter = li.begin(); iter != li.end(); iter++)
                                                                                 cout << " [" << (*iter) .getnodeid() << ", " << (*iter) .getweightid() << "] -> ";
                                                                          cout << endl;
                                                                  return 0;
 Compiler Resources 🛍 Compile Log 🤣 Debug 🗓 Find Results
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                                                                                                                                                                                                                                                                                 85,8% → 26°C へ ⊕ //. 🖙 🗘 📰 ENG
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2. Hasil Run Program C++

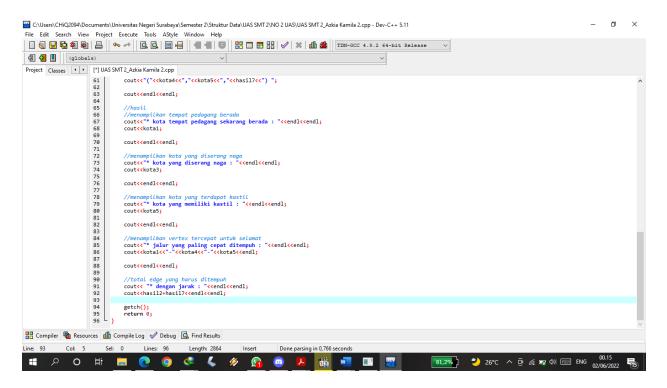


## **SOAL NOMOR 2**

1. Program C++

```
C:\Users\CHiQ2094\Documents\Universitas Negeri Surabaya\Semester 2\Struktur Data\UAS SMT 2\NO 2 UAS\UAS SMT 2_Azkia Kamila 2.cpp - Dev-C++ 5.11
                                                                                                                                                                                                                                                                                                                  File Edit Search View Project Execute Tools AStyle Window Help
  (globals)
 Project Classes • • UAS SMT 2_Azkia Kamila 2.cpp
                                      1 #include <iostream>
2 #include <conio.h>
3 #include <string.h>
4 using namespace std;
5 int main()
6 | 6 |
                                       5 in
6 = {
7
8
9
                                                     char kota1,kota2,kota3,kota4,kota5;
                                                     int jumlah,panjang, hasil1,hasil2,hasil3,hasil4,hasil5,hasil6,hasil7;
                                                     //input jumlah kota cout<<pre>cout<<pre>"" Jumlah kota yang berada di kerajaan Britan : "<< endl;</pre>
                                      cin>>jumlah;
                                                    //input nama hota
coutce Kota Pertama : ";
cin>>kotal;
coutce Kota Kedua : ";
cin>>kotal;
coutce Kota Kedua : ";
cin>>kota2;
coutce Kota Ketiga : ";
cin>>kota3;
coutce Kota Keempat : ";
cin>>kota3;
coutce Kota Kelima : ";
cin>>kota5;
                                                     cout<<endl:
                                                    //deklarasi graph
//menampilkan graph yang terjadi
cout<<" 5isi-sisinya adalah : "<<endl<<endl;
cout<<kodal<</ri>
; cout<<kodal<</ri>
; cut<<kodal<</ri>
,";
                                                     cout<<kota1<<kota3<<
cout<<kota3<<cota3<<cout<<kota3<<cout<<kota3<<cout<<kota3<<cout<<kota3<<cout<kota3<<cout<kota3<<cout<kota3<<cout<kota3<<cout<kota3</co>
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  (globals)
 Project Classes 

UAS SMT 2_Azkia Kamila 2.cpp
                                                     cout<<kota4<<kota5<<endl<<endl;
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                                                     //deklorasi edge
//menamgitkbmn punjang jalan yang menghuhungkan vertex
coutc("* Panjang jalan antar kota : "<<endl;
coutc("panjang "<<kotai<" ke "<<kotai<" : "; cin>> hasill;
coutc("panjang "<kotai<" ke "<<kotai<" : "; cin>> hasill;
coutc("panjang "<kotai<" ke "<<kotai<" : "; cin>> hasill;
coutc("panjang "<kotai<" ke "<<kotai<" : "; cin>> hasill;
coutc("panjang "<<kotai<" ke "<<kotai<" : "; cin>> hasill;
cout<"panjang "<<kotai<" ke "<<kotai<" : "; cin>> hasill;
                                                     cout<<endl;
                                                    //deklarasi adjacent
//menamptikan jalan yang menghubungkan kedua simpul (x,y,z)
coutce" seluruh jalan yang ada dalam kerajaan britan dan panjang jalannya: "<< endl;
coutce" ("<ckotalec", "<ckotalec", "ckotalec", "ckotasilec") ";
coutce"("<ckotalec", "ckotalec", "ckotasilec") ";
coutce"("<ckotalec", "ckotasec", "ckohasilec") ";
coutce"("ckotalec", "ckotasec", "ckotasilec") ";
                                                     cout<<endl<<endl;
                                                     //hasil.
                                                     //hasil
//menampilkan tempat pedagang berada
cout<</pre>
"* kota tempat pedagang sekarang berada : "<<endl<<endl;</pre>
                                                     cout<<endl<<endl;
                                                     //menampilkan kota yang diserang naga
 Compiler Resources 🛍 Compile Log 🤣 Debug 🗓 Find Results
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2. Hasil Run Program C++

