adjmatrix\_07.cpp

**Compile:** g++ adjmatrix\_07.cpp -o adjmatrix\_07

**Run:** ./adjmatrix\_07

**Program:**

#include<iostream>

using namespace std;

classgraphDemo

{

private:

char node[20];

intnodeConnect[20][20];

intno\_nodes;

public:

voidgetData();

void display();

};

voidgraphDemo::getData()

{

cout<<"\nenter the number of nodes\n";

cin>>no\_nodes;

cout<<"\nenter the nodes\n";

for(inti=0;i<no\_nodes;i++)

{

cout<<"\nnode "<<i+1<<"..";

cin>>node[i];

}

cout<<"\nenter the connectivity of nodes..\npress 1 if connected else press 0\n";

for(inti=0;i<no\_nodes;i++)

{

cout<<"\nnode "<<node[i];

for(int j=0;j<no\_nodes;j++)

{

cout<<"with "<<node[j];

cin>>nodeConnect[i][j];

}

}

}

voidgraphDemo::display()

{

cout<<"Connectivity matrix is=\n";

for(inti=0;i<no\_nodes;i++)

{

for(int j=0;j<no\_nodes;j++)

{

cout<<nodeConnect[i][j];

cout<<"\t";

}

cout<<endl;

}

}

int main()

{

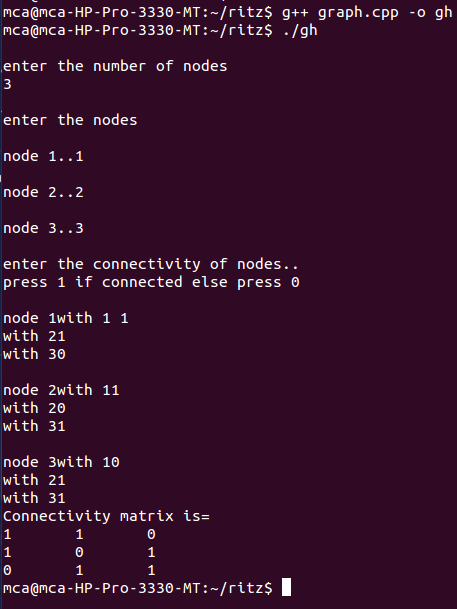
graphDemo g;

g.getData();

g.display();

}

**Output:**

****