**INPUT**

#include<iostream>

#include<conio.h>

#include<process.h>

using namespace std;

int main()

{

int n=5,e,count=0,x,y;

cout<<"Number of nodes = 5";

int m[5][5];

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

{ for(int j=0;j<n;j++)

{

m[i][j]=0;

}

}

cout<<"\nEnter number of edges = ";

cin>>e;

while (count!=e)

{

cout<<"\nEnter the edge (where to where)"<<endl;

cin>>x>>y;

if(x<=5 && y<=5)

{ m[x-1][y-1]=1;

m[y-1][x-1]=1;

}

else

{cout<<"\nIncorrect Edges entered";

getch();

}

count++;

}

cout<<"\nMatrix is: "<<endl;

for(int w=0;w<n;w++)

{

for(int q=0;q<n;q++)

cout<<m[w][q]<<" ";

cout<<endl;

}

getch();

}

**OUTPUT**

