**INPUT**

#include<iostream>

#include<conio.h>

#include<stdlib.h>

using namespace std;

int cost[10][10],i,j,k,n,qu[10],front,rare,v,visit[10],visited[10];

int main()

{

int m;

cout <<"Enter no of vertices: ";

cin >> n;

cout <<"Enter no of edges: ";

cin >> m;

cout <<"\nEDGES \n";

for(k=1;k<=m;k++)

{ cin >>i>>j;

cost[i][j]=1; }

cout <<"Enter initial vertex: ";

cin >>v;

cout <<"Visitied vertices\n";

cout <<v<<" ";

visited[v]=1;

k=1;

while(k<n)

{

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

if(cost[v][j]!=0 && visited[j]!=1 && visit[j]!=1) {

visit[j]=1;

qu[rare++]=j; }

v=qu[front++];

cout<<v<<" ";

k++;

visit[v]=0; visited[v]=1;

getch();

}}

**OUTPUT**

