**Write a program to check whether a given graph is connected or not using the DFS method.**

#include<stdio.h>

int vis[10],a[10][10],n;

void dfs(int i);

void main(){

printf("Enter no of terms:");

scanf("%d",&n);

printf("Enter adjacency matrix\n");

for(int i=1;i<=n;i++){

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

scanf("%d",&a[i][j]);

}

}

for(int i=1;i<=n;i++){

vis[i]=0;

}

dfs(1);

for(int i=1;i<=n;i++){

if(vis[i]==0){

printf("Not connected");

return;

}

}

printf("Connected");

}

void dfs(int x){

vis[x]=1;

for(int i=1;i<=n;i++){

if(a[i][x]==1 && vis[i]==0){

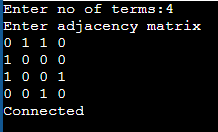
dfs(i);

}

}

}

**Output:**

****