***Aim: -*** Write a program to implements Edge Chasing Algorithm.

***Program:-***

#include<stdio.h>

void main()

{

int p[10],n,i,p1,s1,sp1,sp2,f=0;

int ch;

printf("Enter total no. of sites \n");

scanf("%d",&n);

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

{

printf("Enter total no. of process in S%d\n",i+1);

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

}

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

{

printf("Total no. of process in S%d are %d\n",i+1,p[i]);

}

printf("Enter the site no. and process id for which deadlock detection shold be initiated\n");

scanf("%d %d",&s1,&p1);

do

{

printf("Is there any different site connected...(y=1/n=0)\n");

scanf("%d",&ch);

if(ch==1)

{

printf("Enter the processes of two different sites connected with requesting edge\n");

scanf("%d %d",&sp1,&sp2);

printf("Probe message is (%d,%d,%d)",p1,sp1,sp2);

if(p1==sp2)

{

printf("Deadlock detected\n");

f=1;

break;

} } }while(ch==1);

if(ch && !f)

{

printf("deadlock not detected\n");

}

}

***Output :-***



