#include<stdio.h>

Int main()

{ int w,I,f,frames[50];

Printf(“Enter window size: “);

Scanf(“%d”,&w);

Printf(“\nEnter number of frames to transmit: “);

Scanf(“%d”,&f);

Printf(“\nEnter %d frames: “,f);

For(i=1;i<=f;i++)

Scanf(“%d”,&frames[i]);

Printf(“\nWith sliding window protocol the frames will be sent in the following manner (assuming no corruption of frames)\n\n”);

Printf(“After sending %d frames at each stage sender waits for acknowledgement sent by the receiver\n\n”,w);

For(i=1;i<=f;i++){

If(i%w==0){

Printf(“%d\n”,frames[i]);

Printf(“Acknowledgement of above frames sent is received by sender\n\n”);}

Else

Printf(“%d “,frames[i]);

}

If(f%w!=0)

Printf(“\nAcknowledgement of above frames sent is received by sender\n”);

Return 0;

}

Output

Enter window size: 3

Enter number of frames to transmit: 5

Enter 5 frames: 12 5 89 4 6

#include<stdio.h>

Struct node{

Unsigned dist[20];

Unsigned from[20];}

Rt[10];

Int main(){

Int dmat[20][20];

Int n,I,j,k,count=0;

Printf(“\nEnter the number of nodes : “);

Scanf(“%d”,&n);

Printf(“Enter the cost matrix :\n”);

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

For(j=0;j<n;j++)

{ scanf(“%d”,&dmat[i][j]);

Dmat[i][i]=0;

Rt[i].dist[j]=dmat[i][j];

Rt[i].from[j]=j;}

Do {

Count=0;

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

For(j=0;j<n;j++)

For(k=0;k<n;k++)

If(rt[i].dist[j]>dmat[i][k]+rt[k].dist[j]){

Rt[i].dist[j]=rt[i].dist[k]+rt[k].dist[j];

Rt[i].from[j]=k;

Count++;}}

While(count!=0);

For(i=0;i<n;i++){

Printf(“\nState value for router %d is \n”,i+

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

Printf(“\nnode %d via %d Distance%d”,j+1,rt[i].from[j]+1,rt[i].dist[j]);}}

Printf(“\n”);

}

OUTPUT:

Enter the number of nodes : 2

Enter the cost matrix :

1 2

1 2

State value for router 1 is

Node 1 via 1 Distance0

Node 2 via 2 Distance2

State value for router 2 is

Node 1 via 1 Distance1

Node 2 via 2 Distance0