***//Assignment-5 Computer Networks Lab***

***//A program to simulate and implement go back n sliding window protocol***

#include<stdio.h>

#include<conio.h>

void main()

{

char sender[50],receiver[50];

int i,winsize;

printf("\n ENTER THE WINDOWS SIZE : ");

scanf("%d",&winsize);

printf("\n SENDER WINDOW IS EXPANDED TO STORE MESSAGE OR WINDOW \n");

printf("\n ENTER THE DATA TO BE SENT: ");

fflush(stdin);

gets(sender);

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

receiver[i]=sender[i];

receiver[i]=NULL;

printf("\n MESSAGE SEND BY THE SENDER: ");

puts(sender);

printf("\n WINDOW SIZE OF RECEIVER IS EXPANDED\n");

printf("\n ACKNOWLEDGEMENT FROM RECEIVER \n");

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

printf("\n ACK:%d",i);

printf("\n MESSAGE RECEIVED BY RECEIVER IS : ");

puts(receiver);

printf("\n WINDOW SIZE OF RECEIVER IS SHRINKED \n");

getch();

}

**OUTPUT:**

ENTER THE WINDOWS SIZE : 3

SENDER WINDOW IS EXPANDED TO STORE MESSAGE OR WINDOW

ENTER THE DATA TO BE SENT: computer

MESSAGE SEND BY THE SENDER: computer

WINDOW SIZE OF RECEIVER IS EXPANDED

ACKNOWLEDGEMENT FROM RECEIVER

ACK:3

MESSAGE RECEIVED BY RECEIVER IS : com

WINDOW SIZE OF RECEIVER IS SHRINKED