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C Code:
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#include<stdio.h>
#include<stdlib.h>
#include<unistd.h>
main()
int i,j.numframes,x.y,count=0;
char a[100];
printf("enter number of frames:\n");
scanf("%d".&numframes);
for(i=0;i<numframes;i++)
printf("enter data %d:\n",i+1);
scanf("%c%*c",&a[i]);
x=rand()%10; 7 = 4
y=rand()%10;
if(i==x)
{
sleep(5);
printf("nak %d \n\n".i+1)
printf(" resend data %d : \n",i* )
scanf("%c%*c",&a[i]);
if((y!=x)&&(y< x)&&(count <= 1))
{count++;
sleep(3);
printf(" ack %d\n",i+1);
sleep(3);
printf(" ack %d\n",i+1);
printf("\n end of sliding window protocol\n");
Output:
                               Enter the number of frames:
Enter the number of frames:
10
Enter data 1:
                              Enter data 1: h
Enter data 2:
                              ack 2
                              Enter data 2:
Enter data 3:
8012 W
                              Enter data
Enter data 4:
                             Enter deta
Enter data 57
                             Enter data
Enter data 6:
                             nat 5
```

Resend data 5:

Resend data 5:

Center data 7:

Center data 8:

Center data 9:

Enter data 9:

Enter data 10:

Center data 10:

Center data 4:

Center data 8:

Center data 8:

Center data 8:

Center data 9:

Center data 9:

Center data 8:

Center data 9:

Center data 8:

Conclusion/Inference: (to be written by students)

End & sli ding windows Protoco