206-9 Lis Wonte a Brogram for estor deleiling code cosing CRC # include < stdio. h > # include < string. n. It define N strelene (Poky) char dota[30]: char chark-value [30]: chae Poly [10]: int data longth , i, j : Void XOR check value [j] = (check-value G] = = poly (j),0',1') for (i=1; j < N; j+1) Void receiver () forint f ("Enter the Seceived dala;"); Scorf (" 1.8", dota): Brintf ("Data recieved; "1.8", dota): for (i: 0: i < N-1 & & (cheek - value [i]: 'i) : ; ; ; ;) · f (N-1) fainly ("Error detected"); else brint f ("No error detected"): void crc() for (i: 0: 1 < N: 14+) Check value [:]: dota [:]: do E.

if (cheek value to] := '1') in X OR (); on South for (j=0; j<N-1; j+t)

cheel-value [j]: cheel value [j+1] check-volvelij: data lijt tij j while (: <= data. length + NP!): just main () frients ("Enler data do be transmitted;"); Scarf ("1.5", & data); Brindf ("Enter the divisor cholynomial: "); Scanf ("%8". 2 poly); dota. length = strelen (dota): for (i = data - length; i < datalength + N-1 = i+1) dota [:]-0;

print f ('Doila badded with n-1 zeros; % 8) dots

crc(); fried f ("CRC value is % S') check-value). for (i= data length; i < data length + N-1; i++) data [:] - cheek valoe [:-data. length]; friends ("final data word to be sent: "/-S' da hereiver (); g return o; 12 (p 2 (10 m) 10

Output ! Enter data do be dransmilled ; 101010 Ender the divisor spoly nomial: 1011 Dala Padded with zeros: 101010000 CRC value is : 001 Sent : 101010001 Final Code word to be Enter the reciver dota: 100010000 Error detected. [Bush to English do do of In close buket s: 3 c); first (Bopped 1.d 10 of fackels 10). meconing: (bull size - store): field (" Breket Buffer 28:30 "I d of "I d \" . stone : 38 L dud - 313+2

Lab. 09 [ii] Waite a Brogram for Congestion Control using leaky bucket orlgor. them # include < std:o.h >

viril main ()

s int in Coming, outgoing, back-Size, M, store = 0.

Brindf ("Enter the bucket size;"); Scanf ("%.d", Loutgoing): print f ("Enter the no of impals:"): Scanf (" 1.d", 20); while (n; =0) frints ("Enter the incoming bucket size ;"). Scarf ("%d", & incoming): if (incoming <= (buck-size-store)) Storet = incoming; sprints ("Bucket Bullet size" la d. out of \m". sige "la d. out of \m". sige bucket size); "printf ("Dropped V.d no of packets Im); incoming: (bucket size - store): print f (" Bucket Buffer Size "/d of "/d \n". stove buck - 8:30); Store = buck. size:

Store = Store-outgoing; fairet ("After oulgoing 1/d frackets left out of 1/d in buffer Im, store, buck size); which is read for education analysis. - Afree Sevelopment communical on fordocol devolopments odpid: Enter bulet 8:30 : 5000

Enter outgoing rate : 2000

Enter namber of father infords: R.

Enter the incoming foothet size : 3000

Bucket Baffer size : 3000 out of 5000

Bucket Baffer size : 3000 out of 5000 Bucket Buffer 2, 3e sood backels left out of 5000 in After outgoing 1000 packels left out of 5000 in Ender the incoming backet size: 1000

Bucket buffer 8:se backets left out of 5000 in

After outgoing o backets left out of 5000 in After outgo of mobiles of the sales of the english 10: 965 pased over the metion of believed is such and inchesous oil. 1. I see you relieve 4) It can comalyse disposed fackets 5) It shelps one to know all the devices like lope of mobile desketop scortch ele communicari in local network. Teasteres of wire show e) Available for Lund and and availant

Enter data to be transmitted: 10001000000100001

Enter the Generating polynomial: 1011

Data padded with n-1 zeros : 10001000000100001000 CRC or Check value is : 100 Final data to be sent : 10001000000100001100

Enter the received data: 10001000000100001100

Data received: 10001000000100001100

No error detected

Enter data to be transmitted: 10001000000100001 Enter the Generating polynomial: 1011 Data padded with n-1 zeros : 1000100000100001000 CRC or Check value is: 100 Final data to be sent : 10001000000100001100

Enter the received data: 10010000000100001100 Data received: 10010000000100001100

Error detected

```
Enter the bucket size:
5000
Enter the outgoing data rate:
200
Enter the size of incoming packet
3000
Data packet is accepted
Remaining space in bucket is.... 2200
Enter the size of incoming packet
2500
Data packet is dropped because the bucket size is less than the packet size
Enter the size of incoming packet
```