12/8/27	DATE
101812	Write a program for congeriou control wing Leak.
	bucket algerithm.
	#include (stdio h)
	int main ()
	{ int in, out, brize, n , available = 0;
	print (" Einster the backet size: ");
	Scanf (" 1.d", 4 bsize);
, ,	prints ("Enter the ordgoing rate: ");
	Sang ( To, Cout)
	prints (" Enter the no of inputs: ");
	scanf ("1.d", fn):
	while (n 1 = 0)
	's frint ( "Enter the intonling packet big ")
	sang ( Ta , fin)
	mint ("In coming packet size /d \n" in);
	E avaitable += in;
	prints ("Bucket buffer size /ed out of
	(d ) n", available, brige)
_	}
	dr.
-	& print ("Dropped I'dno of packets In"
	1 1 ( ) Si zi - ariai aldi).
	print (" Buchet buffer six 1.d ow of 1.di
	Warlaty biry!
	available: buzzi
	available = available - out;
	wint (" A) to outgoin to packets left out of
	Id in byfer in; anilable, large);
	nj
	3

Enter the burked sig: 1000 Enter the outgoing rate: 200 Enter the no of infut: 6 Enter the is coming packet size: 200 In coming parket size 200 Buchet Enffer size 200 out of Enter the incoming packet size: wo Encoming packet size 400 Buchet buffer size 400 out of 100 After outgoing 200 packets left out of 1000 Enter the incoming packet size : 950 Turoning parket size 450. Buchet Duffer 8 2 (So ant of,000 After outgoing 450 packets left out of Enter the Ining packet tize: 500 Incoming perket size 500 Buche buffer size 950 out of 1000 After sulgoing 7.50 packets left out of Enth the inioning packet size: 100 Bucket puffer size 850 out of After outgoing (50 packets left out of 1000 in buffe pole tater the incoming packet size : o Bushed buffer size 650 out of 1000 12 fifth outgoing 450 packets left out of Enter the bucket sige: 1000 Enter the outgoing sate: 500 Easter the us. of infruits: 1 E with the incoming packet size: Incoming packet Size Zoso. Dropped 1000 no of packets Buchet buffer size 6 oud of Heter outgoing soo packer light

```
int main(){
        int in, out, bsize, n, available = 0;
        printf("Enter the bucket size: ");
 6
        scanf("%d", &bsize);
       printf("Enter the outgoing rate: ");
 8
       scanf("%d", &out);
 9
        printf("Enter the no of inputs: ");
10
       scanf("%d", &n);
11
12 -
       while (n != 0) {
13
            printf("Enter the incoming packet size : ");
14
            scanf("%d", &in);
15
            printf("Incoming packet size %d\n", in);
16 -
            if (in <= (bsize - available)){</pre>
17
                available += in;
18
                printf("Bucket buffer size %d out of %d\n", available, bsize);
19 -
            } else {
20
                printf("Dropped %d no of packets\n", in - (bsize - available));
21
                printf("Bucket buffer size %d out of %d\n", available, bsize);
                available = bsize:
22
23
24
            available = available - out:
25
            printf("After outgoing %d packets left out of %d in buffer\n", available, bsize);
26
           n--:
27
28
```

#include<stdio.h>

```
Enter the bucket size: 1000
Enter the outgoing rate: 200
Enter the no of inputs: 6
Enter the incoming packet size: 200
Incoming packet size 200
Bucket buffer size 200 out of 1000
After outgoing 0 packets left out of 1000 in buffer
Enter the incoming packet size: 400
Incoming packet size 400
Bucket buffer size 400 out of 1000
After outgoing 200 packets left out of 1000 in buffer
Enter the incoming packet size: 100
Incoming packet size 100
Bucket buffer size 300 out of 1000
After outgoing 100 packets left out of 1000 in buffer
Enter the incoming packet size: 300
Incoming packet size 300
Bucket buffer size 400 out of 1000
After outgoing 200 packets left out of 1000 in buffer
Enter the incoming packet size: 2000
Incoming packet size 2000
Dropped 1200 no of packets
Bucket buffer size 200 out of 1000
After outgoing 800 packets left out of 1000 in buffer
Enter the incoming packet size : 200
Incoming packet size 200
Bucket buffer size 1000 out of 1000
After outgoing 800 packets left out of 1000 in buffer
```