congestions
Write a program for error congestion control
using reaky bucket algorithms
#include /stdio.b>
int main()
S
int incoming, outgoing, buck_size, n, store=0.
Print + 1"Goter the bucket sixe");
Santi"/d", febuck-siza);
Print ("Enter outgoing rate:");
Scanfi''y.d. froutgoing);
Print ("Enter the no. of inputs:");
scanf (" /.d", &n);
D. Whip. (DIO=D) S della service servi
print to C"Enter the incoming on the toize 122.
Scant ("Y.d", & incoming packet size 12).
Store + = incoming; Printf ("Bucket buffer size 1.d out of "J.d (n", store buck - size);
Printf ("Bucket buffer sixe 1. dout of "1. do" class
buck -size);
The state of the s
200 else 1/10 2001 2001 2001 2001
Print [" Dropped y.d no. of packers in " incoming - [buck-size - store); Print [" Bucket buttor size . ())
(buck-size-slove))
Print - 1" Bucket buffer sixe /od out of rod n", store,
1 - 407 OI AU
Store = buck -size;
D. ALICE AND DESCRIPTION OF THE PROPERTY OF
Store = ctore - outgoing;
THE CHICAGO YOU WAS A STATE OF THE STATE OF
in buffer m", store, buck - size);
$\lfloor n-\frac{1}{2} \rfloor$
<u> </u>
j

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PS D:\VS Code> cd "d:\VS Code\OS\"; if ($?) { gcc bucket.c -o bucket }; if ($?) { .\bucket }
Enter Bucket size and outstream size
2000
100
Packet of 41 bytes accepted
Remaining bytes: 2000
If you want to stop input, press 0, otherwise, press 1
Packet of 467 bytes accepted
Remaining bytes: 1633
If you want to stop input, press 0, otherwise, press 1
Packet of 334 bytes accepted
Remaining bytes: 1399
If you want to stop input, press 0, otherwise, press 1
Packet of 500 bytes accepted
Remaining bytes: 999
If you want to stop input, press 0, otherwise, press 1
Packet of 169 bytes accepted
Remaining bytes: 930
If you want to stop input, press 0, otherwise, press 1
Packet of 724 bytes accepted
Remaining bytes: 306
If you want to stop input, press 0, otherwise, press 1
Packet of 478 bytes is discarded
Remaining bytes: 406
If you want to stop input, press 0, otherwise, press 1
Packet of 358 bytes accepted
Remaining bytes: 148
If you want to stop input, press 0, otherwise, press 1
Packet of 962 bytes is discarded
Remaining bytes: 248
If you want to stop input, press 0, otherwise, press 1
Remaining bytes: 348
Remaining bytes: 448
Remaining bytes: 548
Remaining bytes: 648
Remaining bytes: 748
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Remaining bytes: 348 Remaining bytes: 448 Remaining bytes: 548 Remaining bytes: 648 Remaining bytes: 748 Remaining bytes: 848 Remaining bytes: 948 Remaining bytes: 1048 Remaining bytes: 1148 Remaining bytes: 1248 Remaining bytes: 1348 Remaining bytes: 1448 Remaining bytes: 1548 Remaining bytes: 1648 Remaining bytes: 1748 Remaining bytes: 1848 Remaining bytes: 1948 Remaining bytes: 2000 PS D:\VS Code\OS>