Program 15

Write a program for congestion control using Leaky bucket algorithm.

Code:

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earperement - 19
wrote aprogram for congisted Dentacel usong ledery bucket algoraten.
code.
Handlede 285Adroins
    End maious
     and encoming, coalgoong. beele. SIZE, n,
      pronté (" Enter backsen. outgoong recti
and mo . a inputs!"):
     scent ( " - y.d y.d - 1.d", & back- 5 IZE,
             Goodgown, Son)
      colide (0 5=0) }
        printil "enter the incoming pueled size")
       scant ('y.d", gencoming);
       parentf ( . I acomong perlect size yel to'
            incomeng).
 if (incoming & (bude - 5/21 - ston))
      E stone += incomeng;
        prentite Budet buffersezist ent
of "Id", 3 tone, bulketsize).
```

prentf("Dropped sed 20 of pulets");

encoming-(boulerstone)).

prontd ("Buded buffin sizt 1.0 colid of

y.d lbs", stone, buded-soze);

Store = bude-SIZE

store = store-outgoing;

prentf("After contgoing y.d bytes left

cont of y.d i,o butter",

stone; bude-SIZE);

o--;

Output Clear

Generated packets: [80, 63, 57, 12, 69]

Enter bucket size: 60 Enter output rate: 30

Packet of size 80 bytes exceeds bucket capacity (60 bytes) - REJECTED Packet of size 63 bytes exceeds bucket capacity (60 bytes) - REJECTED

Packet of size 57 bytes added to bucket

Bytes in bucket: 57 Transmitting 30 bytes

Bytes remaining in bucket: 27

Transmitting 27 bytes

Bytes remaining in bucket: 0

Packet of size 12 bytes added to bucket

Bytes in bucket: 12 Transmitting 12 bytes

Bytes remaining in bucket: 0

Packet of size 69 bytes exceeds bucket capacity (60 bytes) - REJECTED

=== Code Execution Successful ===