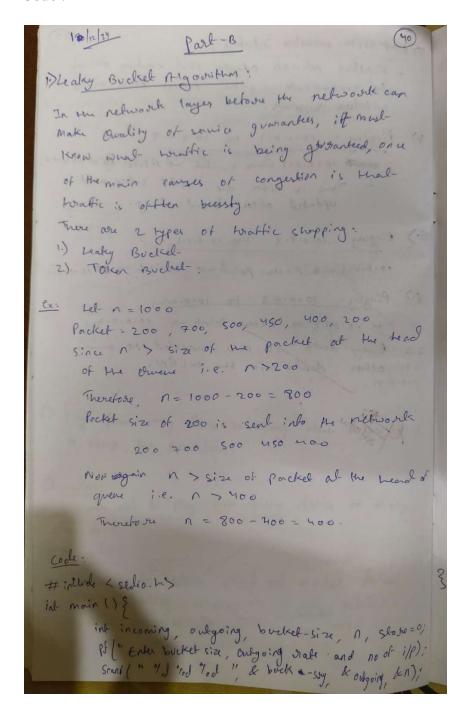
Program 15

Write a program for congestion control using Leaky bucket algorithm.

Code:



prints! " Enter the incoming packetize.) Grand (" Tod, & incoming); Points (" Incoming packed size i. I'm", incoming it (incoming 6 - (buck-say-slow))} slove + = incoming; frints (" Buthel butter size "lad sel of "od In", slore, buck-size); else & prints (" Dropped T. I no of packets of moning - (buch-size) - store)). Print (" Bucket buffer size "od out of "tod in" slove, buck-size); stock = buck - size; slove - slove - onlying; Print (" After outgoing", I bytes leftout of ", of in buffer (", slove, buck-size); n -- ;

Output.

Enter mucket size, outgoing water and noof inputs:

100 20 3

Enter the intoming Packet size. 30

Interning packet size 30

Rucket buffer size 30 out of 100

After outgoing 10 bytes teffout of 100 in buffer

Finter incoming Packet size '- 50

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