Page No. | Date | 11 | 12 | 20 |

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04 Write a program for congestion control using Leaky bucket algorithm.

#include < bits/stdc++.h> ~

using namespace std;

ind main()

int incoming-pretsize, outgoingRate, bucketsize, n;

int store=0;

cout << "Enter the Bucket sizes",

cout << "Enter the outgoing Rate: ";
cin >> outgoing Rate;

cout << "Enter the Number of input packets ";

```
(in >> n;
while (n)
 cout << "Enter the Incoming packet
 (in >> incoming-pktsize;
 cout << "Incoming packet size is:"
<< incoming_pktsize << end);
 if (incoming prtsize <= (bucketsize-
                      store)
  store t= incoming-pktsize;
   cout << "Bucket Buffer Size" <<
    store << " out of " << bucketsize
   << endl;
 (OUT << "Discarded " << (incoming-P-
-Ktsize - (bucketsize - store)) <<
```

