

Sumanth-1cv  
 IBM18CS112  
 SC

\* Write a program for congestion control using leaky bucket algorithm.

Pgm: #include <bits/stdc++.h>

using namespace std;

{

int bucketSize = 512;

void bktInput(int a, int b) {

if (a > bucketSize) {

cout << "Bucket overflow" << endl;

} else {

delay(500);

while (a > b) {

cout << b << " bytes are sent";

a -= b;

} delay(500);

if (a > 0)

cout << "Last " << a << " bytes sent" << endl;

cout << "Bucket output successfully";

}

}

int main() {

int op, pktSize;

randtime();

cout << "Output rate" << endl;

cin >> op;

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```
for (int i=1; i<=5; i++) {  
    delay(random(1000));  
    pktSize = random(1000);  
    cout << "Packet no " << i << " Packet size "  
        << pktSize;  
    bktInput(pktSize, op);  
}  
return b;  
}
```

② Link