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Leak Bucket Algorithm

```cpp
#include <bits/stdc++.h>
#define BucketSize 500
int main()
{
    int pktSize;
    int oprate;
    cout << "Enter output rate & pck size : " << endl;
    cin >> oprate >> pktsize;


    for(int i=0;i<10;i++)
    {
        sleep (rand ()%10);
        pktsize = rand()%1000;
        cout << "\n Packet size :" << pktsize << endl;
        leakyBucket (pktSize);
    }

}

void leakyBucket (int pktSize, op)
{
    if (pckSize > BucketSize)
    { cout << "Bucket Overflow" << endl;
        return;
    }
    sleep (5);
    while ( pcksize > op)
    {
        cout << b << "bytes outputted";
        pcksize -= op;
        sleep (5);
        if( pcksize > 0) cout << "Last Byte sent" << endl;
            cout << " Buck O/p successful" << endl;
```