

Sneha . I

13M18CS109

```
#include <bits/stdc++.h>
using namespace std;
int bs = 512;
void delay(int delay)
{
    int now = time(NULL);
    int l = now + delay;
    while (now <= l) now = time(NULL);
}
void bktIn(int a, int b)
{
    if (a > bs) cout << "Overflow";
    else { delay(1);
        while (a > b)
        {
            cout << "bytes outputted" << b;
            a -= b;
            delay(1);
        }
        if (a > 0) cout << 'a' << "bytes sent";
        cout << "Bytes output successful -";
    }
}
int main()
{
    int op, ps;
    cout << "Enter output rate" ; cin >> op;
    for (int i = 1; i <= 5; i++)
    {
        delay(1);
        ps = rand() / 1000;
        cout << "Packet no" << i << "Packet Size" << ps;
        bktIn(ps, op);
    }
    return 0;
}
```