

Cycle-2-Lab-4

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#include <iostream.h>
#include <dos.h>
#include <stdlib.h>
#define bucketSize 512
void bktInput(int a, int b) {
    if (a > bucketSize)
        cout << "\n\t\t\t Bucket overflow";
    else {
        delay(500);
        while (a > b) {
            cout << "\n\t\t\t "< b << " bytes outputted";
            a -= b;
            delay(500);
        }
        if (a > 0) cout << "\n\t\t\t Least "< a << " bytes
            sent\t\t";
        cout << "\n\t\t\t Bucket output successful";
    }
}
void main() {
    int op, pktSize;
    randomize();
    cout << "Enter output rate : "; cin >> op;
    for (int i = 1; i <= 5; i++) {
        delay(random(1000));
        pktSize = random(1000);
        cout << "\n Packet no" << i << "\t Packet
            size = " << pktSize;
        bktInput(pktSize, op);
    }
}
```

Prakhar