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18M18CS079

```
#include <iostream>
#include <dos>
#include <stdlib.h>
#define bucketSize 512
```

using namespace std;

```
void bktInput(int a, int b) {
    if (a > bucketSize)
        cout << "Bucket overflowed";
    else
    {
        delay(500);
        while (a > b) {
            cout << "b << " bytes outputted";
            a -= b;
            delay(500);
        }
        if (a > 0) {
            cout << "last b << " bytes sent";
            cout << "In Bucket o/p successful";
        }
    }
}
```

```
int main() {
    int op, bSize;
    cout << "Enter o/p rate: ";
    cin >> op;
```

```

for(int i=1; i<=5; i++) {
    sleep(rand() % 10);
    pktsize = rand() % 700;
    cout << " \n Packet no " << i << " size = " << pktsize
    bucket Input(pktsize, op);

```

```

}
cout << endl;
return 0;
}

```