Leakybucket

```c
#include <stdio.h>
#include <stdlib.h>
int main() {
    int input = 0;  int i = 0;  int bucketlimit = 400;
    int op = 1;
    printf(" Bucket limit is 400 \n Rate is
        50 mbps \n");
    while (op) {
        printf(" Enter the input \n");
        scanf("%d", &i);
        if (i <= 400 && input <= 400)
        {
            input = input + i;
            input = input - 50;
            if (input <= 400)
                printf(" qty in bucket %d\n",
                    input);
            else if (input > 400)
                printf("Bucket limit exceeded \n");
        }
        else
            printf(" Bucket limit exceeded \n");
        printf(" press 1 to add 0 to end \n")
        scanf("%d", &op);
    }
    return 0;
}
```

Output :

Bucket limit is 400
Rate is 50 mbps
enter the input
300
qty in bucket 250
press 1 to add input 0 to end
1

300
~~qty in bucket~~
Bucket limit Exceeded
press 1 to add input 0 to end
~~end~~ 1
Enter the input
50
qty in bucket 250
press 1 to add input 0 to end
0