

## Prog-10 : Leakey-Bucket Algo

```
def main() :  
    bucketSize = int(input('Enter the bucket size:'))  
    outputRate = int(input('Enter the output rate:'))  
    numberOfPackets = int(input('Enter number of  
        packets:'))  
    for i in range(0, numberOfPackets):  
        print('\n Packet number: ')  
        print(i+1)  
        packetSize = int(input('Enter packet size:'))  
        if packetSize <= outputRate:  
            print('')  
            if (packetSize <= outputRate):  
                print('Bucket output successful')  
                print('Last bytes sent: ')  
                print(packetSize)  
            else:  
                print('Bucket output successful!')  
                print('Bytes outputted: ')  
                print(outputRate)  
            sent = packetSize - outputRate  
            print('Last bytes sent: ')  
            print(sent)  
        else:  
            print('Bucket overflow!!')  
    main()
```

