Shiva Praneeth. kedali
1BM18CS100

```python
def leaky_bucket (output, bucket_size ):
    print ('- - - -xxxxx- - - -')
    print (f' The output rate is : {output}')
    print (f 'The bucket size is :  {bucket-size } capacity')

    packet -no  = int (input ('Enter no. of packets you want
                                to send: '))
    for i in  range (packet-no):
            packet-size = int (input ('Enter packet size '))
            if packet-size < bucket - size:
            if packet-size <= output:
    print (f' Packet number {i} | Packet size { packet-size}=>')
    print (' Bucket output successful!')
    print (f ' Last {packet-size} bytes sent.')
    print ('- -- xxxxx- - -')

    else.
            print (f'Packet no. {i} | Packet size { packet-size}
                                                    => ')
            print ('Bucket output successful!')
            print (f' {output} bytes outputted')
            sent = packet-size - output
            print (f 'Last {sent} bytes sent')
            print ('- -- xxxxx- - -')
```

Shiva Praneeth. Kodali

IBM18CS100

```python
else:
        print (f' Packet no. {i} | Packet-size { packet-size}
                                                 => ')
        print ('Bucket * overflow * ')
        print ('--- xxxxx ----')

output = int (input ('Enter output Rate : '))

bucket_size = int (input ('Enter the bucket size :'))

leaky_bucket (output, bucket_size)


                        =
```