Akanksha Laddha CN Lab 9.

1BM18CS007.

Date: December 14, 20. Batch A1.

Section: 5-A.

Date:
P. No:

Implement leaky bucket algorithm.

```
def leaky_bucket ( output, bucket_size ):
    print ('==========')
    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+1}
            Packet size {packet_size} => ')
            print ('Bucket output Successful')
            print (f' Last {packet_size} bytes
            sent')
            print ('==========')
    else :
        print (f' Packet number : {i+1}
        Packet size {packet_size} => ')
        print ('Bucket output Successful')
        print ("f' {output} bytes outputted')
        sent = packet_size - output
        print (f' Last {sent} bytes sent')
        print ('==========')
```

AKANSHA.

Date:
P. No:

```
else :
        print ('Packet no {i} Packet size {
        packet_size} => ')
        print ('Bucket overflow')
        print ('=========')

output = int (input ('Enter output rate:'))
bucket_size = int (input ('Enter bucket size :'))

leaky_bucket (output, bucket_size)
```

Akanksha