

LAB 11: LEaky Bucket Algorithm

Shashidhar Pad
10m182009

```
import time
import random
```

```
def bktInput(a, b, bucket-size = 512):
    if (a > bucket-size):
        print("Bucket Overflow")
    else:
        time.sleep(1)
        while (a > b):
            print(f' {b} Bytes Outputed')
            a -= b
            time.sleep(5)
        if (a > 0):
            print(f' Last {a} bytes sent')
            print("Bucket output success")
```

```
output_rate = int(input('Enter Output rate:'))
for i in range(5):
    time.sleep(1)
    pkt_size = random.randint(1, 1000)
    print(f' Packet no: {i} packet size {pkt_size}')
    bktInput(pkt_size, output_rate)
```