

Qn : Demonstrate ~~Bucket~~ leaky bucket algorithm.

Ans :

input time

input random

```
def bktInput(a, b, bucket_size = 512)
```

```
    if (a > bucket_size):
```

```
        print("Bucket Overflow")
```

```
    else:
```

```
        time.sleep(2)
```

```
        while (a > b):
```

```
            print(f' {b} bytes outputted')
```

```
            a -= b
```

```
            time.sleep(2)
```

```
        if (a > 0):
```

```
            print(f' Last {a} byte sent')
```

```
        print('Bucket output success')
```

```
output_rate = int(input('Enter output rate:'))
```

```
for i in range(5):
```

```
    time.sleep(2)
```

```
    pkt_size = random.randint(1, 1000)
```

```
    print(f' Packet no : {i} Packet Size : {Packet Size}')
```

6 kD Input (Plot Size, Output rate)

Shukert