

14-12-20

CN lab - Week 9

B Praneeth
18M18CS023

Write a program for congestion control using leaky bucket Algorithm
Python

```
def main():
```

```
    n = input("Enter the number of packets to be sent")
```

```
    print("Enter the sizes of the packets")
```

```
    packets = []
```

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

```
        packets.append(input())
```

```
    buffer
```

```
    bucket_size = int(input("Enter the buffer bucket size"))
```

```
    buffer_storage = 0    rate = 100
```

```
    for packet in packets:
```

```
        available_space_in_buffer = buffer_size - buffer_storage
```

```
        if (packet > available_space):
```

```
            print(bucket_overflow)
```

```
            break
```

```
    else:
```

```
        buffer_storage += packet
```

```
        print("Sent", rate, "bits")
```

```
        buffer_storage -= rate
```

```
main()
```