

Sumanth-1cv

IBM18CS112

5C

```
import random
```

```
BucketSize = 512
```

```
def bktInput(a,b):
```

```
    if a > BucketSize:
```

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

```
    else:
```

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

```
            print("Bytes outputted", a, b)
```

```
            a = b
```

```
    if a > 0:
```

```
        print("last ", a, " bytes sent")
```

```
    print("Bucket output successful")
```

```
def main():
```

```
    print("Enter output rate: ")
```

```
    op = int(input())
```

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

```
        pktSize = random.randint(0, 600)
```

```
        print("Packet Size = ", pktSize)
```

```
        bktInput(pktSize, op)
```

```
main()
```