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Experiment - 13.

```
def main():  
    bucketSize = int(input('Enter bucket size:'))  
    outputRate = int(input('Enter output rate:'))  
    for i in range(0, numberOfPackets):  
        print('\nPacket number:')  
        print(i+1)  
        packetSize = int(input('Enter packet size:'))  
        if packetSize < bucketSize:  
            i += (packetSize < outputRate)  
            print('Bucket output successfully')  
            print('Last bytes sent:')  
            print(packetSize)  
        else:  
            print('Bucket output successfully')  
            print('Bytes outputted:')  
            print(packetSize - outputRate)  
            print('Last bytes sent:')  
            print(packetSize)  
        else:  
            print('Bucket overflow!!')  
main()
```

Q1

End