Screenshots of the output for different data packet size:

1. Output of Data packet size 128 bytes and Throughput is 69.33.

```
hp@MirAbrar:~/Downloads/ns-allinone-3.40/ns-3.40$ python3 examples/tutorial/firs
t.py
At time +2s client sent 128 bytes to 10.1.1.2 port 9
At time +2.00225s server received 128 bytes from 10.1.1.1 port 49153
At time +2.00225s server sent 128 bytes to 10.1.1.1 port 49153
At time +2.00451s client received 128 bytes from 10.1.1.2 port 9
FlowID: 1 (UDP 10.1.1.1/49153 --> 10.1.1.2/9)
Tx Bytes:   156
Rx Bytes:   156
Tx Packets:  1
Rx Packets:  1
Lost Packets:  0
Mean Delay:  0.0022528
Throughput:  69.33333333333333
FlowID: 2 (UDP 10.1.1.2/9 --> 10.1.1.1/49153)
Tx Bytes:   156
Rx Bytes:   156
Tx Packets:  1
Rx Packets:  1
Lost Packets:  0
Mean Delay:  0.0022528
Throughput:  69.33333333333333
```

2. Output of Data packet size 256 bytes and Throughput is 126.23.

```
hp@MirAbrar:~/Downloads/ns-allinone-3.40/ns-3.40$ python3 examples/tutorial/firs
t.py
At time +2s client sent 256 bytes to 10.1.1.2 port 9
At time +2.00246s server received 256 bytes from 10.1.1.1 port 49153
At time +2.00246s server sent 256 bytes to 10.1.1.1 port 49153
At time +2.00492s client received 256 bytes from 10.1.1.2 port 9
FlowID: 1 (UDP 10.1.1.1/49153 --> 10.1.1.2/9)
Tx Bytes:   284
Rx Bytes:   284
Tx Packets:  1
Rx Packets:  1
Lost Packets:  0
Mean Delay:  0.0024576
Throughput:  126.22222222222223
FlowID: 2 (UDP 10.1.1.2/9 --> 10.1.1.1/49153)
Tx Bytes:   284
Rx Bytes:   284
Tx Packets:  1
Rx Packets:  1
Lost Packets:  0
Mean Delay:  0.0024576
Throughput:  126.22222222222223
```

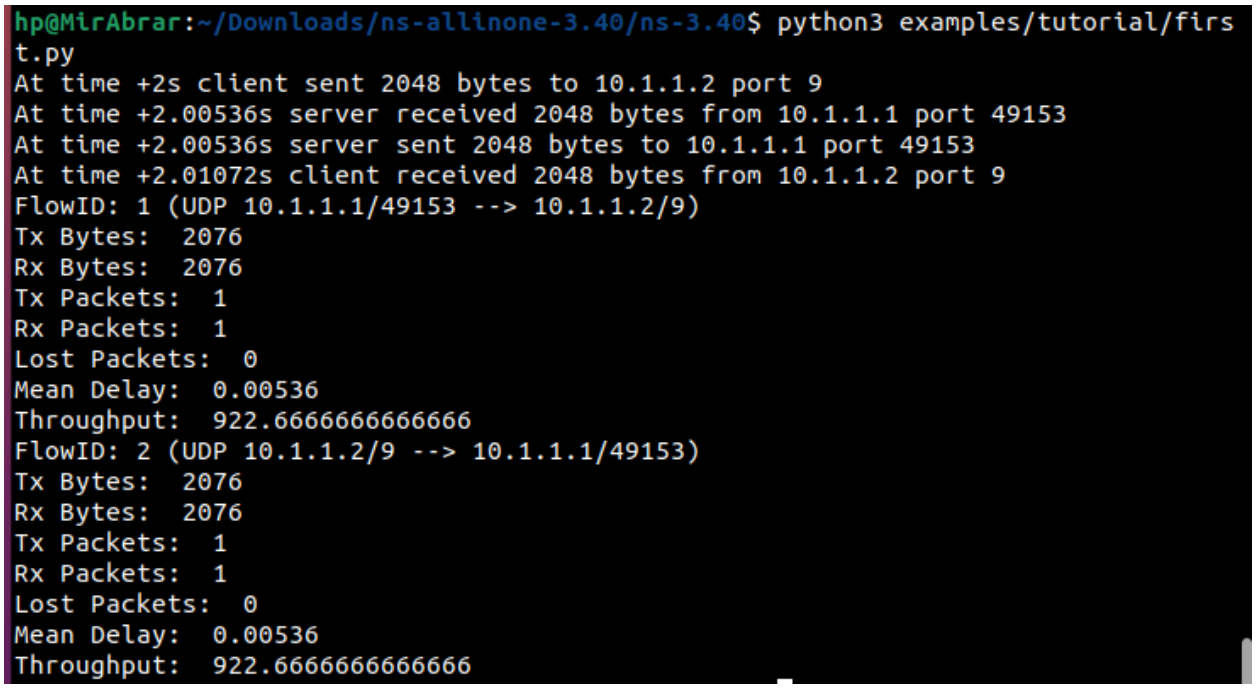
3. Output of Data packet size 512 bytes and Throughput is 240.

```
hp@MirAbrar:~/Downloads/ns-allinone-3.40/ns-3.40$ python3 examples/tutorial/firs
t.py
At time +2s client sent 512 bytes to 10.1.1.2 port 9
At time +2.00287s server received 512 bytes from 10.1.1.1 port 49153
At time +2.00287s server sent 512 bytes to 10.1.1.1 port 49153
At time +2.00573s client received 512 bytes from 10.1.1.2 port 9
FlowID: 1 (UDP 10.1.1.1/49153 --> 10.1.1.2/9)
Tx Bytes:   540
Rx Bytes:   540
Tx Packets:  1
Rx Packets:  1
Lost Packets:  0
Mean Delay:  0.0028672
Throughput:  240.0
FlowID: 2 (UDP 10.1.1.2/9 --> 10.1.1.1/49153)
Tx Bytes:   540
Rx Bytes:   540
Tx Packets:  1
Rx Packets:  1
Lost Packets:  0
Mean Delay:  0.0028672
Throughput:  240.0
```

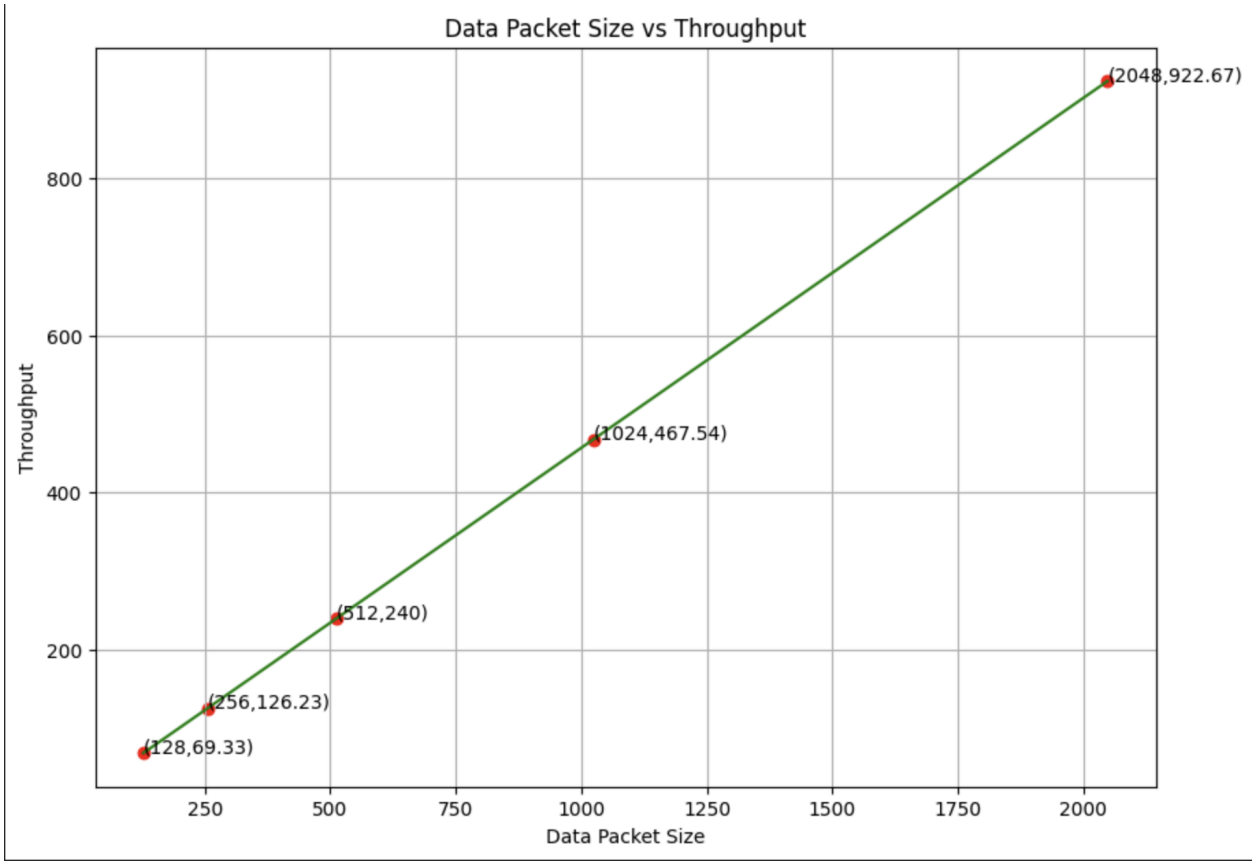
4. Output of Data packet size 1024 bytes and Throughput is 467.54.

```
hp@MirAbrar:~/Downloads/ns-allinone-3.40/ns-3.40$ python3 examples/tutorial/firs
t.py
At time +2s client sent 1024 bytes to 10.1.1.2 port 9
At time +2.00369s server received 1024 bytes from 10.1.1.1 port 49153
At time +2.00369s server sent 1024 bytes to 10.1.1.1 port 49153
At time +2.00737s client received 1024 bytes from 10.1.1.2 port 9
FlowID: 1 (UDP 10.1.1.1/49153 --> 10.1.1.2/9)
Tx Bytes:   1052
Rx Bytes:   1052
Tx Packets:  1
Rx Packets:  1
Lost Packets:  0
Mean Delay:  0.0036864
Throughput:  467.55555555555554
FlowID: 2 (UDP 10.1.1.2/9 --> 10.1.1.1/49153)
Tx Bytes:   1052
Rx Bytes:   1052
Tx Packets:  1
Rx Packets:  1
Lost Packets:  0
Mean Delay:  0.0036864
Throughput:  467.55555555555554
```

5. Output of Data packet size 2048 bytes and Throughput is 922.67.



Data packet size vs Throughput graph:



The above graphs show that Data Packet Size and Throughput are proportional.