

Brendan Jang

CS 372

Project 3: ICMP Traceroute

How to run the program using python3:

The hostnames are hardcoded in the program.

The program can be run in different ways. You can launch command prompt/terminal in administrator mode and navigate to the directory containing the script. Another method is to navigate to PyCharm Terminal and run the command below.

Run script using “python Traceroute.py”

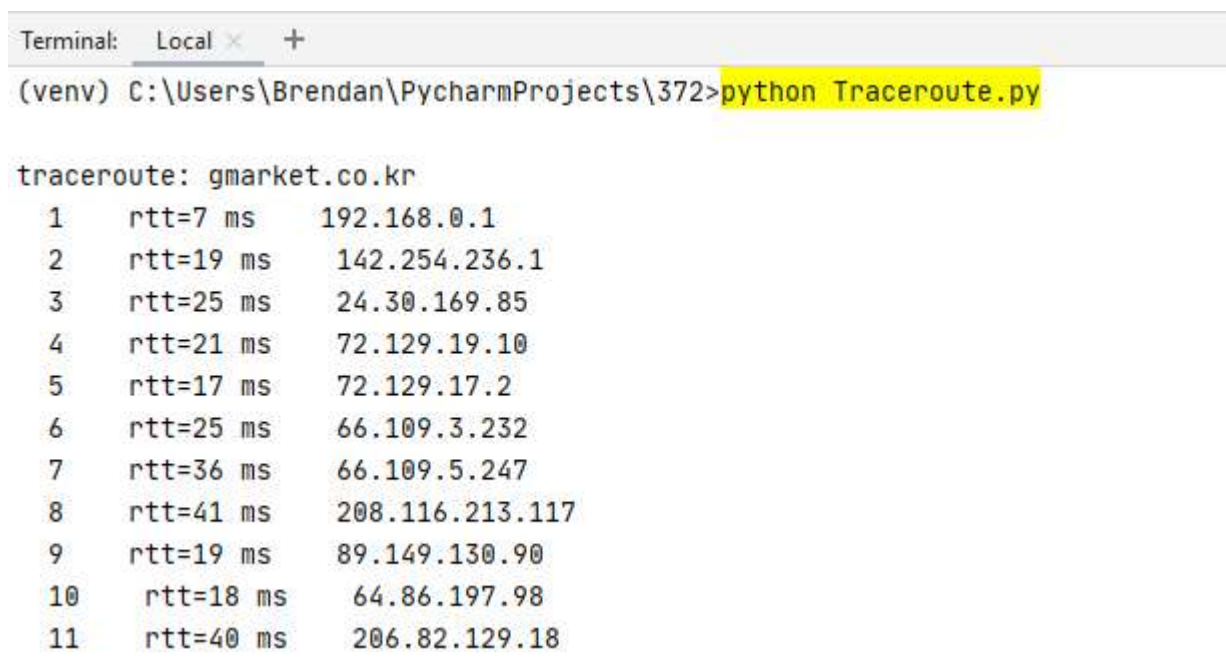
Screenshots running code for four different hosts with at least two different continents:

Gmarket.co.kr – Korea

Facebook.com – USA

Baidu.com – China

Indiatimes.com – India



```
Terminal: Local x +
(venv) C:\Users\Brendan\PycharmProjects\372>python Traceroute.py

traceroute: gmarket.co.kr
 1  rtt=7 ms    192.168.0.1
 2  rtt=19 ms   142.254.236.1
 3  rtt=25 ms   24.30.169.85
 4  rtt=21 ms   72.129.19.10
 5  rtt=17 ms   72.129.17.2
 6  rtt=25 ms   66.109.3.232
 7  rtt=36 ms   66.109.5.247
 8  rtt=41 ms   208.116.213.117
 9  rtt=19 ms   89.149.130.90
10  rtt=18 ms   64.86.197.98
11  rtt=40 ms   206.82.129.18
```

Terminal: Local x +

tracert: facebook.com

1	rtt=7 ms	192.168.0.1
2	rtt=16 ms	142.254.236.1
3	rtt=18 ms	24.30.169.85
4	rtt=22 ms	72.129.19.10
5	rtt=24 ms	72.129.17.2
6	rtt=25 ms	66.109.6.202
7	rtt=74 ms	66.109.5.241
8	rtt=19 ms	66.109.0.211
9	rtt=27 ms	157.240.51.155
10	rtt=30 ms	173.252.67.107
11	rtt=19 ms	31.13.70.36

tracert: baidu.com

Terminal: Local x +

tracert: baidu.com

1	rtt=6 ms	192.168.0.1
2	rtt=19 ms	142.254.236.1
3	rtt=19 ms	24.30.169.85
4	rtt=31 ms	72.129.19.10
5	rtt=28 ms	72.129.17.2
6	rtt=23 ms	66.109.6.64
7	rtt=25 ms	66.109.5.247
8	rtt=29 ms	62.115.156.224
9	rtt=20 ms	62.115.171.219
*	*	* Request timed out.
*	*	* Request timed out.
11	rtt=209 ms	223.120.13.110
12	rtt=218 ms	221.183.55.106

Terminal: Local × +

tracert: indiatimes.com

1	rtt=4 ms	192.168.0.1
2	rtt=21 ms	142.254.236.1
3	rtt=17 ms	24.30.169.85
4	rtt=27 ms	72.129.19.10
5	rtt=21 ms	72.129.17.2
6	rtt=27 ms	66.109.6.64
7	rtt=22 ms	66.109.5.247
*	*	* Request timed out.
*	*	* Request timed out.
9	rtt=20 ms	89.149.141.105
10	rtt=21 ms	69.174.23.150
11	rtt=27 ms	129.250.2.160
12	rtt=24 ms	23.196.205.34

Extra credit not attempted.