

Programming Assignment #2

- I have written Ping application in python so that it sends ping requests to a specified host separated by approximately one second. I have given count as 5 so that it sends 5 ping requests.
- I have tested this ping application by pinging five different servers across 5 different continents. The results are shown below.

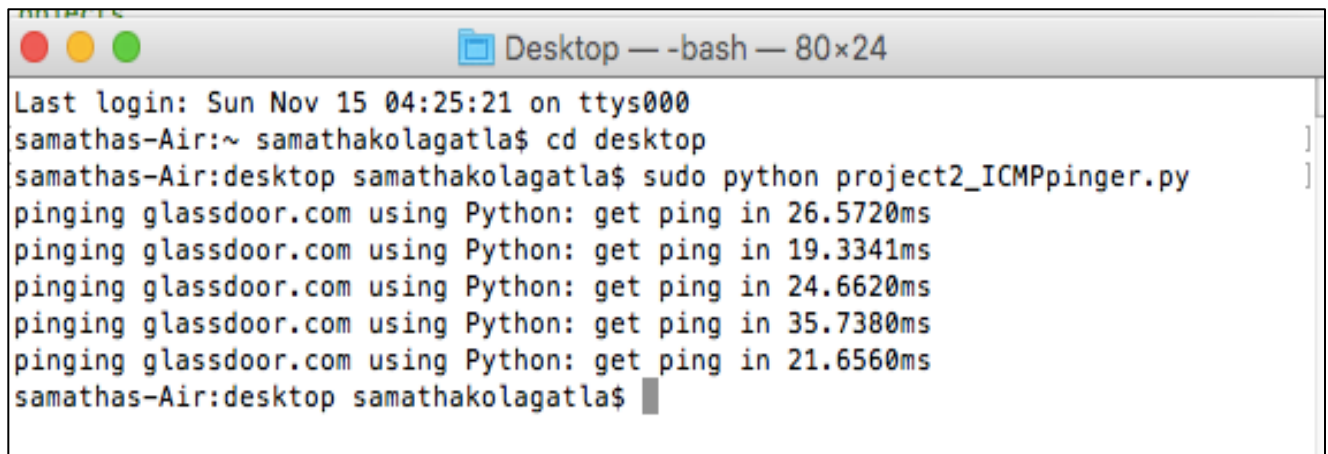
Server 1:

Continent: North America

Website:

```
ping("glassdoor.com")
```

Result:

A terminal window titled "Desktop — -bash — 80x24" showing the execution of a Python script. The user is logged in as samathas-Air on a machine named samathakolagatla. The script pings glassdoor.com five times, showing decreasing ping times from 26.5720ms to 21.6560ms.

```
Last login: Sun Nov 15 04:25:21 on ttys000
samathas-Air:~ samathakolagatla$ cd desktop
samathas-Air:desktop samathakolagatla$ sudo python project2_ICMPpinger.py
pinging glassdoor.com using Python: get ping in 26.5720ms
pinging glassdoor.com using Python: get ping in 19.3341ms
pinging glassdoor.com using Python: get ping in 24.6620ms
pinging glassdoor.com using Python: get ping in 35.7380ms
pinging glassdoor.com using Python: get ping in 21.6560ms
samathas-Air:desktop samathakolagatla$
```

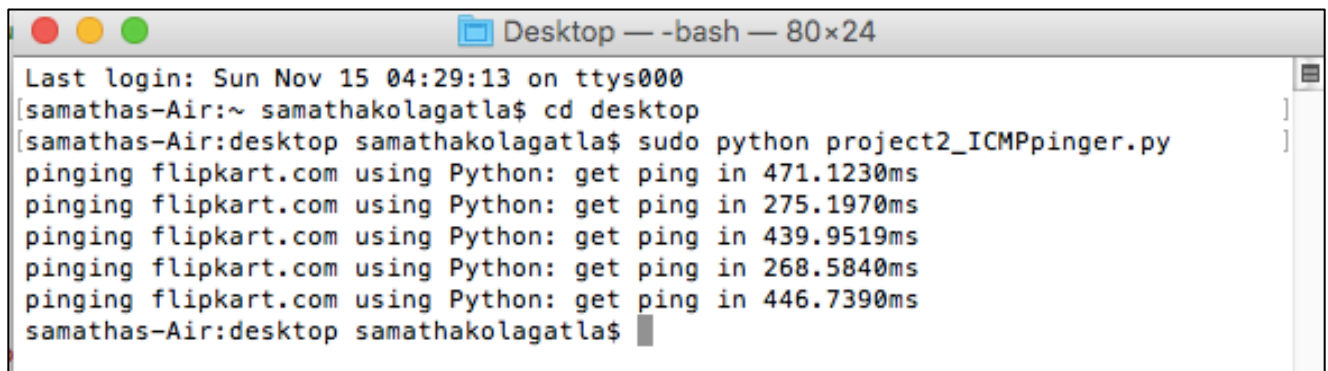
Server 2:

Continent: Asia

Website:

```
ping("flipkart.com")
```

Result:

A terminal window titled "Desktop — -bash — 80x24" showing the execution of a Python script. The user is logged in as samathas-Air on a machine named samathakolagatla. The script pings flipkart.com five times, showing ping times ranging from 268.5840ms to 471.1230ms.

```
Last login: Sun Nov 15 04:29:13 on ttys000
[samathas-Air:~ samathakolagatla$ cd desktop
[samathas-Air:desktop samathakolagatla$ sudo python project2_ICMPpinger.py
pinging flipkart.com using Python: get ping in 471.1230ms
pinging flipkart.com using Python: get ping in 275.1970ms
pinging flipkart.com using Python: get ping in 439.9519ms
pinging flipkart.com using Python: get ping in 268.5840ms
pinging flipkart.com using Python: get ping in 446.7390ms
samathas-Air:desktop samathakolagatla$
```

Server 3:**Continent:** Australia**Website:**

```
ping("google.com.au")
```

Result:

```
Desktop — -bash — 80x24
Last login: Sun Nov 15 04:30:16 on ttys000
[samathas-Air:~ samathakolagatla$ cd desktop
[samathas-Air:desktop samathakolagatla$ sudo python project2_ICMPpinger.py
pinging google.com.au using Python: get ping in 161.4971ms
pinging google.com.au using Python: get ping in 174.3929ms
pinging google.com.au using Python: get ping in 284.7941ms
pinging google.com.au using Python: get ping in 119.2920ms
pinging google.com.au using Python: get ping in 91.2919ms
samathas-Air:desktop samathakolagatla$
```

Server 4:**Continent:** Europe**Website:**

```
ping("gov.uk")
```

Result:

```
Desktop — -bash — 80x24
Last login: Sun Nov 15 04:43:58 on ttys000
[samathas-Air:~ samathakolagatla$ cd desktop
[samathas-Air:desktop samathakolagatla$ sudo python project2_ICMPpinger.py
pinging gov.uk using Python: get ping in 27.4451ms
pinging gov.uk using Python: get ping in 26.7398ms
pinging gov.uk using Python: get ping in 24.1680ms
pinging gov.uk using Python: get ping in 23.6490ms
pinging gov.uk using Python: get ping in 40.8430ms
samathas-Air:desktop samathakolagatla$
```

Server 5:**Continent:** Africa**Website:**

```
ping("youm7.com")
```

Result:

```
[samathas-Air:desktop samathakolagatla$ sudo python project2_ICMPpinger.py
pinging youm7.com using Python: get ping in 23.5510ms
pinging youm7.com using Python: get ping in 25.1441ms
pinging youm7.com using Python: get ping in 64.6849ms
pinging youm7.com using Python: get ping in 24.0710ms
pinging youm7.com using Python: get ping in 22.8970ms
samathas-Air:desktop samathakolagatla$
```