Test Cases One-to-Many Jobs Questions 1 and 3

Test Cases for Question 1

- 2 test cases were included for the task: job creator asks more than one job seeker to execute an ICMP flood attack against a given IP or subnet.
- In Test Case 1, 2 Seekers connect to a Job Creator, both accepting the connection. Then the job Creator inputs the job wanting to be completed. In this test case 0 was entered to launch a ICMP flood attack. The Job Creator then inputs the ip or hostname (www.google.ca) that is to be attacked for each seeker. This means both seekers will be attacking the same host. The Seekers then continuously ping the given ip/hostname from the Creator and returns the results of the attack to the Creator. The seekers are then asked if they would like another task. One Seeker continues the connection, one closes the connection. The process repeats with the Creator giving the Seeker www.bing.ca instead of Google.
- In Test Case 2, 2 Seekers connect to a Job Creator, both accepting the connection. Then the job Creator inputs the job wanting to be completed. In this test case 0 was entered to launch a ICMP flood attack. The Job Creator then inputs the ip or hostname (www.google.ca)/(www.bestbuy.ca) that is to be attacked for each seeker. With this test case the Creator gives the Seekers different IP's to attack. The Seekers complete the attack and return results back to the Creator. Both Seekers then close the connection

Job Creator: Test Case 1

```
The Job Creator is available at Port 8080 looking for a Job Seeker to execute UDP flood attack or execute ICMP flood attack

Connected to a Job Seeker


Connected to a Job Seeker

Would you like execute ICMP flood attack (enter 0) or execute UDP flood attack (enter 1)?
0
Enter the IP Address or Host Name: www.google.ca

Completed Successfully
Job Seeker reports: 100 ping requests were sent to www.google.ca from this Seeker

Would you like execute ICMP flood attack (enter 0) or execute UDP flood attack (enter 1)?
0
Enter the IP Address or Host Name: www.google.ca

Completed Successfully
Job Seeker reports: 100 ping requests were sent to www.google.ca from this Seeker

Job Seeker terminated the connection
Job Seeker wants another Job
Would you like to continue with this Job Seeker? (yes/no)
yes
Would you like execute ICMP flood attack (enter 0) or execute UDP flood attack (enter 1)?
0
Enter the IP Address or Host Name: www.bing.ca

Completed Successfully
Job Seeker reports: 100 ping requests were sent to www.bing.ca from this Seeker

Job Seeker terminated the connection
```

Job Seeker 1: Test Case 1

```
Job Seeker is available looking for a Job Creator to send a IP Address/Host Name to execute ICMP or UDP flood attack
Do you want to accept a job from this Job Creator? (yes/no)
yes

Sending ping requests to www.google.ca

<2020-11-26 20:17:33> <INFO> <JnaUtil> <loadLibrary2 ()>
<2020-11-26 20:17:33> <INFO> <JnaUtil> <  strategy: native via java.library.path>
<2020-11-26 20:17:33> <INFO> <JnaUtil> <  libraryName: icmp>
<2020-11-26 20:17:33> <INFO> <JnaUtil> <  libraryClass: org.icmp4j.platform.windows.jna.IcmpLibrary>
<2020-11-26 20:17:33> <INFO> <JnaUtil> <loadLibrary2 ()>
<2020-11-26 20:17:33> <INFO> <JnaUtil> <  strategy: native via java.library.path>
<2020-11-26 20:17:33> <INFO> <JnaUtil> <  libraryName: ws2_32>
<2020-11-26 20:17:33> <INFO> <JnaUtil> <  libraryClass: org.icmp4j.platform.windows.jna.Winsock2Library>
Sending Results to Job Creator

Want to do another Job? (yes/no)
no
```

Job Seeker 2: Test Case 1

```
Job Seeker is available looking for a Job Creator to send a IP Address/Host Name to execute ICMP or UDP flood attack
Do you want to accept a job from this Job Creator? (yes/no)
yes

Sending ping requests to www.google.ca

<2020-11-26 20:17:49> <INFO> <JnaUtil> <loadLibrary2 ()>
<2020-11-26 20:17:49> <INFO> <JnaUtil> <  strategy: native via java.library.path>
<2020-11-26 20:17:49> <INFO> <JnaUtil> <  libraryName: icmp>
<2020-11-26 20:17:49> <INFO> <JnaUtil> <  libraryClass: org.icmp4j.platform.windows.jna.IcmpLibrary>
<2020-11-26 20:17:49> <INFO> <JnaUtil> <loadLibrary2 ()>
<2020-11-26 20:17:49> <INFO> <JnaUtil> <  strategy: native via java.library.path>
<2020-11-26 20:17:49> <INFO> <JnaUtil> <  libraryName: ws2_32>
<2020-11-26 20:17:49> <INFO> <JnaUtil> <  libraryClass: org.icmp4j.platform.windows.jna.Winsock2Library>
Sending Results to Job Creator

Want to do another Job? (yes/no)
yes

Sending ping requests to www.bing.ca

Sending Results to Job Creator

Want to do another Job? (yes/no)
no
```

Job Creator: Test Case 2

```
The Job Creator is available at Port 8080 looking for a Job Seeker to execute UDP flood attack or execute ICMP flood attack

Connected to a Job Seeker


Connected to a Job Seeker

Would you like execute ICMP flood attack (enter 0) or execute UDP flood attack (enter 1)?
0
Enter the IP Address or Host Name: www.google.ca

Completed Successfully
Job Seeker reports: 100 ping requests were sent to www.google.ca from this Seeker

Would you like execute ICMP flood attack (enter 0) or execute UDP flood attack (enter 1)?
0
Enter the IP Address or Host Name: www.bestbuy.ca

Completed Successfully
Job Seeker reports: 100 ping requests were sent to www.bestbuy.ca from this Seeker

Job Seeker terminated the connection
Job Seeker terminated the connection
```

Job Seeker 1: Test Case 2

```
Job Seeker is available looking for a Job Creator to send a IP Address/Host Name to execute ICMP or UDP flood attack
Do you want to accept a job from this Job Creator? (yes/no)
yes

Sending ping requests to www.google.ca

<2020-11-26 20:26:10> <INFO> <JnaUtil> <loadLibrary2 ()>
<2020-11-26 20:26:10> <INFO> <JnaUtil> <  strategy: native via java.library.path>
<2020-11-26 20:26:10> <INFO> <JnaUtil> <  libraryName: icmp>
<2020-11-26 20:26:10> <INFO> <JnaUtil> <  libraryClass: org.icmp4j.platform.windows.jna.IcmpLibrary>
<2020-11-26 20:26:10> <INFO> <JnaUtil> <loadLibrary2 ()>
<2020-11-26 20:26:10> <INFO> <JnaUtil> <  strategy: native via java.library.path>
<2020-11-26 20:26:10> <INFO> <JnaUtil> <  libraryName: ws2_32>
<2020-11-26 20:26:10> <INFO> <JnaUtil> <  libraryClass: org.icmp4j.platform.windows.jna.Winsock2Library>
Sending Results to Job Creator

Want to do another Job? (yes/no)
no
```

Job Seeker 2: Test Case 2

```
Job Seeker is available looking for a Job Creator to send a IP Address/Host Name to execute ICMP or UDP flood attack
Do you want to accept a job from this Job Creator? (yes/no)
yes

Sending ping requests to www.bestbuy.ca

<2020-11-26 20:26:27> <INFO> <JnaUtil> <loadLibrary2 ()>
<2020-11-26 20:26:27> <INFO> <JnaUtil> <  strategy: native via java.library.path>
<2020-11-26 20:26:27> <INFO> <JnaUtil> <  libraryName: icmp>
<2020-11-26 20:26:27> <INFO> <JnaUtil> <  libraryClass: org.icmp4j.platform.windows.jna.IcmpLibrary>
<2020-11-26 20:26:27> <INFO> <JnaUtil> <loadLibrary2 ()>
<2020-11-26 20:26:27> <INFO> <JnaUtil> <  strategy: native via java.library.path>
<2020-11-26 20:26:27> <INFO> <JnaUtil> <  libraryName: ws2_32>
<2020-11-26 20:26:27> <INFO> <JnaUtil> <  libraryClass: org.icmp4j.platform.windows.jna.Winsock2Library>
Sending Results to Job Creator

Want to do another Job? (yes/no)
no
```

Test Cases Question 3

- 2 test cases were included for the task: The job creator ask more than one job seeker to execute a UDP flood attack against a given port on a given IP
- In the first test case 2 seekers establish and accept a connection to a Job Creator. The Creator then sends the same IP and Port to both the Seekers to make both Seekers attack together. (www.espn.ca and Port 80). The Seekers than both launch their UDP flood attacks on given IP and Port. The Seekers then return the results and close the connection to the Creator.
- In the second test case 2 seekers establish and accept a connection to a Job Creator. The Creator then sends the same IP but different Ports to both the Seekers to make both Seekers attack different ports. (www.espn.ca and Port 80 & 90). The Seekers than both launch their UDP flood attacks on their given IP and Ports. The Seekers then return the results and close the connection to the Creator.

Job Creator: Test Case 1

```
The Job Creator is available at Port 8080 looking for a Job Seeker to execute UDP flood attack or execute ICMP flood attack

Connected to a Job Seeker


Connected to a Job Seeker

Would you like execute ICMP flood attack (enter 0) or execute UDP flood attack (enter 1)?
1
Enter the IP Address or Host Name: www.espn.com
Enter a Port Number between 1 and 49190: 80

Completed Successfully
Job Seeker reports: 100 UDP packets were sent to www.espn.com port: 80 from this Seeker

Would you like execute ICMP flood attack (enter 0) or execute UDP flood attack (enter 1)?
1
Enter the IP Address or Host Name: www.espn.com
Enter a Port Number between 1 and 49190: 80

Completed Successfully
Job Seeker reports: 100 UDP packets were sent to www.espn.com port: 80 from this Seeker

Job Seeker terminated the connection
Job Seeker terminated the connection
```

Job Seeker 1: Test Case 1

```
Job Seeker is available looking for a Job Creator to send a IP Address/Host Name to execute ICMP or UDP flood attack
Do you want to accept a job from this Job Creator? (yes/no)
yes

Sending UDP packets to www.espn.com port: 80

Letting Creator know 100 UDP packet were sent to www.espn.com port: 80


Want to do another Job? (yes/no)
no
```

Job Seeker 2: Test Case 1

```
Job Seeker is available looking for a Job Creator to send a IP Address/Host Name to execute ICMP or UDP flood attack
Do you want to accept a job from this Job Creator? (yes/no)
yes

Sending UDP packets to www.espn.com port: 80

Letting Creator know 100 UDP packet were sent to www.espn.com port: 80


Want to do another Job? (yes/no)
no
```

Job Creator: Test Case 2

```
The Job Creator is available at Port 8080 looking for a Job Seeker to execute UDP flood attack or execute ICMP flood attack

Connected to a Job Seeker


Connected to a Job Seeker

Would you like execute ICMP flood attack (enter 0) or execute UDP flood attack (enter 1)?
1
Enter the IP Address or Host Name: www.espn.com
Enter a Port Number between 1 and 49190: 80

Completed Successfully
Job Seeker reports: 100 UDP packets were sent to www.espn.com port: 80 from this Seeker

Would you like execute ICMP flood attack (enter 0) or execute UDP flood attack (enter 1)?
1
Enter the IP Address or Host Name: www.espn.com
Enter a Port Number between 1 and 49190: 90

Completed Successfully
Job Seeker reports: 100 UDP packets were sent to www.espn.com port: 90 from this Seeker

Job Seeker terminated the connection
Job Seeker terminated the connection
```

Job Seeker 1: Test Case 2

```
Job Seeker is available looking for a Job Creator to send a IP Address/Host Name to execute ICMP or UDP flood attack
Do you want to accept a job from this Job Creator? (yes/no)
yes

Sending UDP packets to www.espn.com port: 80

Letting Creator know 100 UDP packet were sent to www.espn.com port: 80


Want to do another Job? (yes/no)
no
```

Job Seeker 2: Test Case 2

```
Job Seeker is available looking for a Job Creator to send a IP Address/Host Name to execute ICMP or UDP flood attack
Do you want to accept a job from this Job Creator? (yes/no)
yes

Sending UDP packets to www.espn.com port: 90

Letting Creator know 100 UDP packet were sent to www.espn.com port: 90


Want to do another Job? (yes/no)
no
```