Last Name: Champagne

First Name: Steven

Course: CPSC526

Assignment: 6: IRC Controller/Bot

Tutorial: T03

Date: 2017-12-3

Files Submitted: conbot.py, bot.py, report.pdf

How to run:

CONBOT: conbot.py <host> <port> <channel> <secret> BOT: bot.py <host> <port> <channel> <secret>

Script Example and Outputs:

Launch conbot: \$ python3 conbot.py 162.246.156.17 12399 cpsc526 SECRET Launch 4 bots: \$ python3 bot.py 162.246.156.17 12399 cpsc526 SECRET

Launch NetCat: \$ nc -k -l 9000

In conbot: >> identify

>> status

>> attack noHost 1
>> attack localhost 9000

>> move 162.246.156.17 12399 somewhere

>> quit

Launch conbot: \$ python3 conbot.py 162.246.156.17 12399 somewhere SECRET

In conbot: >> identify

>> shutdown >> quit

OUTPUTS

Conbot output:

```
File Edit View Search Terminal Help
steve@steve ~/Projects/20171125 -- CPSC526-A6 $ python3.6 conbot6.py 162.246.156.17 12399 cpsc526 SECRET
              162.246.156.17
--> HOST:
--> PORT:
              12399
--> CHANNEL:
--> SECRET: SECRET
--> NICK:
             kYNC8WKjf2XH
--> NICK AND USER ACCEPTED!
--> JOINED CHANNEL: #cpsc526
--> Secret Control Key Created: 5d4d9ba9ab5051fb4007ddb932b8a375
identify
status
--> STATUS REPORT:
Found 4 bots.
BOT: PDZXuGtQcFayREPORTING
BOT: iqBUCa906zrKREPORTING
BOT: JFoMfkpJr8lJREPORTING
BOT: Ha8croCPFYTfREPORTING
attack noHOST 1
--> ATTACK REPORT:
BOT: Ha8croCPFYTf: Attack Failure.
BOT: iqBUCa906zrK: Attack Failure.
BOT: PDZXuGtQcFay: Attack Failure.
BOT: JFoMfkpJr8lJ: Attack Failure.
Total: Successes: 0 Failures: 4.
attack localhost 9000
--> ATTACK REPORT:
BOT: PDZXuGtQcFay: Attack Successful.
BOT: iqBUCa906zrK: Attack Successful.
BOT: Ha8croCPFYTf: Attack Successful.
BOT: JFoMfkpJr8lJ: Attack Successful.
Total: Successes: 4 Failures: 0.
move 162.246.156.17 12399 somewhere
--> MOVE REPORT:
JFoMfkpJr8lJ: Move Successful.
PDZXuGtQcFay: Move Successful.
Ha8croCPFYTf: Move Successful.
iqBUCa906zrK: Move Successful.
Total: Successes: 4 Failures: 0.
quit
steve@steve ~/Projects/20171125 -- CPSC526-A6 $ python3.6 conbot6.py 162.246.156.17 12399 somewhere SECRET
--> HOST:
             162.246.156.17
--> PORT:
              12399
--> CHANNEL:
--> SECRET: SECRET
--> NICK:
             ey0NypPbKtVd
 --> NICK AND USER ACCEPTED!
--> JOINED CHANNEL: #somewhere
--> Secret Control Key Created: ba766caff77004db8370f68af68c87b8
identify
shutdown
--> SHUTDOWN REPORT:
BOT: PDZXuGtQcFay SHUTDOWN.
BOT: Ha8croCPFYTf SHUTDOWN.
BOT: iqBUCa906zrK SHUTDOWN.
BOT: JFoMfkpJr8lJ SHUTDOWN.
Total Shutdowns: 4
quit
```

Bot Output:

```
steve@steve ~/Projects/20171125 -- CPSC526-A6
File Edit View Search Terminal Tabs Help
steve@steve ~/Projec... * steve@steve ~/Projec... * steve@steve ~/Projec... * steve@steve ~/Projec... *
steve@steve ~/Projects/20171125 -- CPSC526-A6 $ python3.6 bot6.py 162.246.156.17
12399 cpsc526 SECRET
--> NICK: Ha8croCPFYTf
--> NICK AND USER ACCEPTED!
--> JOINED CHANNEL: #cpsc526
RECIEVED IDENTIFY REQUEST
RECIEVED STATUS REQUEST
RECIEVED ATTACK REQUEST
['attack', 'noHOST', '1']
RECIEVED ATTACK REQUEST
['attack', 'localhost', '9000']
RECIEVED MOVE REQUEST
RECIEVED IDENTIFY REQUEST
RECIEVED SHUTDOWN REQUEST
steve@steve ~/Projects/20171125 -- CPSC526-A6 $
```

Target Output:

```
File Edit View Search Terminal Help

steve@steve ~ $ nc -k -l 9000

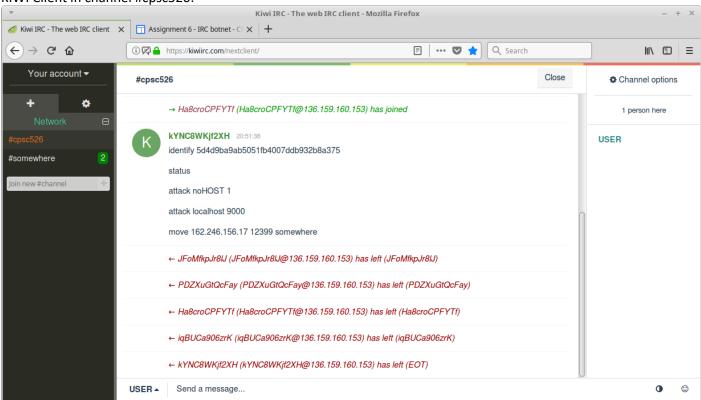
BOT PDZXuGtQcFay IS 5

BOT iqBUCa906zrK IS 7

BOT Ha8croCPFYTF IS 6

BOT JFoMfkpJr8lJ IS 8
```

KIWI Client in channel #cpsc526:



KIWI output in channel #somewhere:

