**Readme**

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**How to compile/run:**

**Bot**

*python3 bot.py <hostname> <port> <channel> <secret-phrase>*

*<hostname>*  IRC server’s hostname

*<port>* port number

*<channel>* IRC channel

*<secret-phrase>* secret text the IRC bot will listen for

**Controller**

*python3 controller.py <hostname> <port> <channel> <secret-phrase>*

*<hostname>*  IRC server’s hostname

*<port>* port number

*<channel>* IRC channel

*<secret-phrase>* secret text the IRC bot will listen for

**Controller commands**

|  |  |
| --- | --- |
| status | Prints out list of bots (their nicknames) and their total number. |
| attack *<hostname> <port>* | Instruct bots to attack given hostname and port number by sending a message containing a counter and the nickname of the bot. Every subsequent attack increases the counter.  Once attack is complete, bots send diagnostic messages (success/failure) and total number of successful and unsuccessful attacks are displayed. |
| move *<hostname> <port> <channel>* | Instructs bots to disconnect from current IRC server and connect to a new one based on the arguments. |
| quit | Controller disconnects from the IRC and terminate. Bots are unaffected. |
| shutdown | Terminates all bots, displaying the nicks of the bots disconnected and their total number. |