

Rumen Kasabov
ID: 10128754
Tutorial Section: T02

Group partner: Michael Radke

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How to run the code in terminal:

For the bot program,

```
$python3 bot.py <hostname> <port> <channel> <secret phrase>
```

Where,

- <hostname> is the host address of the IRC server bot is connecting to
- <port> is the port number of the IRC server
- <channel> is the channel the bot is connecting to
- <secret phrase> is the secret the bot is listening for to authorize a controller

For the controller program,

```
$python3 conbot.py <hostname> <port> <channel> <secret phrase>
```

Where,

- <hostname> is the host address of the IRC server controller is connecting to
- <port> is the port number of the IRC server
- <channel> is the channel the controller is connecting to
- <secret phrase> is the secret that's going to be provided to bots to authenticate controller

You can run each bot on an individual basis, i.e. multiple script runs to have as many bots as you'd like. Once the bot connects it will wait for a controller to authenticate and then listen to commands from that authenticated controller.

Commands are as indicated in the assignment documentation.

You then run the controller to the same IRC channel and issue the commands through command line prompt. The controller does authentication automatically after each prompt loop in case new bots join the channel.

Note: Only caveat to this is that controller does not send the secret phrase while prompting user, only before and after. So if any bots join while controller is on prompt, it won't authenticate controller until after any command is issued.