

Execute

There is only one .py file. Simply type `python mainbot.py` to execute.

Program structure

The bot will first create a socket to the server(127.0.0.1 port:8738 by default). Then it will set it's username and nickname and join the channel.

The bot will PONG the server after being PINGed, and it will continue to receive commands from the socket. The rest of the codes are to response to the commands.

Available commands:

- '<a zodiacal sign>': Getet a daily horoscope.
- '!guess': Begin a guess-number game.
- '!song <songname>': Search for songs on Youtube.
- '!chat': Begin to chat with bot.
- '!bye': Use in chat-mode to end chat-mode.

Challenge & Solution

It's a huge challenge for me to finish the chat part. At first, I compiled and tested the bot under Windows because it's more convinient. So when the select functions act different on Windows, I was forced to change my enviornment.

This is not technically difficult, but a very annoying work for me.

Reflection

90% of the time I spent on this home work is downloading packages, which made me think of buying a new notebook. However thinking of the cost installing all those things again, I became lazy. So I guess the first step I should take is to buy lottery tickets.