Using MacOS X

1. How would you find the path (i.e., location) to the gcc command?

   `which gcc` OR `whereis gcc`

2. How would you download a file from the Internet?

   `wget http://website.com/file.ext`

3. What is the full command to read the manual page of the command that formats and displays the on-line manual pages? (NOTE: there is no typo to this question)

   `man man`

4. What command can you use to find out your IP address and MAC address?

   `ifconfig`

5. What command can you use to show all the processes that are running on the system?

   `top`

6. What command can you use to get more details about running processes listening on ports?

   `netstat`

7. What command with flag could you use to list every file, including hidden files, on the entire system, showing their owner, location, and access time? Please also note the flags that you used with command.

   `ls -la -h -R`

8. Assume you found a file named warrent.pdf. What command could you use to find out what type of file this was?

   `file warrent.pdf`

9. So you discovered that warrent.pdf is a binary executable. What command could you use to extract any readable information from the file without running it? Also, try this on a compressed file such a ZIP or JAR

    ```
    strings warrent.pdf
    ```

10. What command can you use to find the IP address-to-MAC address mappings for systems on the local network?

    ```
    arp -a
    ```

11. Consider the following IP address: 46.252.26.153. Where is the computer with that IP address located --in what country?

    Germany

12. For the previous question, what command did you use to determine the location of the computer?

    ```
    curl https://ipinfo.io/46.252.26.153
    ```

13. What command can you use to securely delete a file?

    ```
    shred [filename]
    ```

14. What command can you use to see if you are a computer administrator or superuser?

    ```
    sudo whoami
    ```

15. What command can you use to see list of previous commands you have entered on command line?

    ```
    history
    ```

16. What command can you use to see list of scheduled tasks running on your computer?

    ```
    crontab -l
    ```

Bandit - Level 12 Reached