

Write a bash or fish script that takes an argument `argument1` which can come from the command line or declared inside the script.

`argument1` is a filename for input .e.g. `usernames.txt`, which contains a list of usernames.

The script reads users from `usernames.txt` and returns:

- 1) Up to 20 last login dates of each user.
- 2) Up to last 20 login IPs and hostnames of each user.

The script would be invoked like this `./myscript.sh usernames.txt`, or in the case of the variable being declared inside the script the script is invoked by `./myscript.sh`

Example below, where `argument1` is `usernames.txt` which contains the following users:

```
superman
batman
wonderwoman
```

The output of the script should be formatted like the figure below

```
superman
#####
Last login date(s):
Mon Sep 20 10:00
Tue Sep 21 11:30
...
Last login IP(s)/hostname(s):
192.168.1.10
host.example.com
...

batman
#####
Last login date(s):
Wed Sep 22 09:15
Thur Sep 23 02:11
Fri Sep 24 19:15
...
Last login IP(s)/hostname(s):
192.168.1.12
host.example.com
...

wonderwoman
#####
Last login date(s):
Wed Sep 22 09:15
Thur Sep 23 02:11
Fri Sep 24 11:15
...
Last login IP(s)/hostname(s):
192.168.1.2
host3.example.com
...
```

**Tips:**

The command `last` can help you check for last logins and there is a flag for the number of last logins.

Look up a way to find hostnames from IPs, useful commands could be `nslookup` and `host`.

Tools like `cut` or `awk` would be all you need for most text manipulation. Using LLMs like ChatGPT, Github copilot, Claude etc. is not prohibited, but 1) you should be able to answer questions regarding your implementation if asked 2) identical submissions between students is not allowed.