**Most Active Cookie**

Given a cookie log file in the following format:

cookie,timestamp

AtY0laUfhglK3lC7,2018-12-09T14:19:00+00:00

SAZuXPGUrfbcn5UA,2018-12-09T10:13:00+00:00

5UAVanZf6UtGyKVS,2018-12-09T07:25:00+00:00

AtY0laUfhglK3lC7,2018-12-09T06:19:00+00:00

SAZuXPGUrfbcn5UA,2018-12-08T22:03:00+00:00

4sMM2LxV07bPJzwf,2018-12-08T21:30:00+00:00

fbcn5UAVanZf6UtG,2018-12-08T09:30:00+00:00

4sMM2LxV07bPJzwf,2018-12-07T23:30:00+00:00

Write a command line program in your preferred language to process the log file and return the most active cookie for specified day. The example below shows how we'll execute your program.

**Command**:

$ ./most\_active\_cookie cookie\_log.csv -d 2018-12-09

**Output**:

AtY0laUfhglK3lC7

We define the most active cookie as one seen in the log the most times during a given day.

**Assumptions**:

* If multiple cookies meet that criteria, please return all of them on separate lines.

$ ./most\_active\_cookie cookie\_log.csv -d 2018-12-08

SAZuXPGUrfbcn5UA

4sMM2LxV07bPJzwf

fbcn5UAVanZf6UtG

* You're only allowed to use additional libraries for testing, logging and cli-parsing. There are libraries for most languages which make this too easy (e.g pandas) and we’d like you to show off you coding skills.
* You can assume *-d* parameter takes date in UTC time zone.
* You have enough memory to store the contents of the whole file.
* Cookies in the log file are sorted by timestamp (most recent occurrence is first line of the file).

We're looking for a concise, maintainable, extendable and correct solution. We're hoping you'll deliver your solution as **production grade code** and demonstrate:

* good testing practices,
* knowledge of build systems, testing frameworks, etc.
* clean coding practices (meaningful names, clean abstractions, etc.)

**Please use a programming language you’re very comfortable with. The next stage of the interview will involve extending your code.**