

Problem Description

For this problem, you'll need to parse a log file with a specified format and to display results, load a http server with a page displaying the result.

Accepts a filename on the command line. The file is a Linux-like log file from a system you are debugging. Mixed in among the various statements are messages indicating the state of the device. They look like this:

- Jul 11 16:11:51:490 [139681125603136] dut: Device State: ON

The device state message has many possible values, but this program cares about only three:

- ON
- OFF
- ERR.

Your program will parse the given log file and print out a report giving how long the device was ON and the timestamp of any ERR conditions.

A test.log file is included

You're free to design your own report page for the output.

Minimum requirements

- Use python for back-end work
- Report page must be responsive
- Provide source code (bit-bucket/github repository)