**Submission Requirements to be placed into one document (PDF or MS Word):**

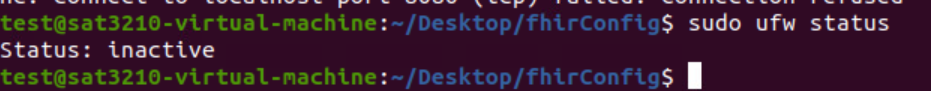
1. Take a screenshot of the HAPI-FHIR server’s default web UI and submit it with your other lab materials. **(5 points)**

A screenshot of a computer

Description automatically generated

1. What command could you use to check the total, used, and free memory in system if you thought the HAPI-FHIR server was not running properly due to lack of memory? **(5 points)**
   * Sudo free -h
   * A screen shot of a computer

     Description automatically generated
2. You've updated the firewall rules on your Ubuntu server and want to check if the port (say 8080) used by the HAPI-FHIR server is open. What command would you use? **(5 points)**
   * Sudo ufw status



1. If the HAPI-FHIR server fails to start, you want to ensure that there are no other processes occupying the default port (8080). What command should you use to check if the port 8080 is currently in use? **(5 points)**

* sudo lsof -I :8080

There is also a Bonus Section. However, this is not a straight-forward process - so you have been warned. 😊

**Bonus Section (2 points)**

1. Customize the default HAPI-FHIR UI (web page) so that it says, “Upper Peninsula Health Care Network” instead of “Company Name” and “The Health Information Exchange for the Upper Peninsula“ instead of “Your Sample Text Here”.  Submit a screen shot to verify your work. (2 points)