x) All reports. List link to each of your homework reports.

<https://github.com/ibr4444/H1.git> Summaries and Debian installation documentation

<https://github.com/ibr4444/H2.git> h2 Spiderwebs

<https://github.com/ibr4444/H3.git> h3 Should Tero wear a helmet?

<https://github.com/ibr4444/h4.git> h4 ETAOIN

<https://github.com/ibr4444/H5.git> h4 September2023!

<https://github.com/ibr4444/H6.git> h5. A. Nynomous

y) Presentation cross evaluation. Return [cross evaluation of presentation to Moodle](https://hhmoodle.haaga-helia.fi/mod/assign/view.php?id=2560512)

Cross evaluation submitted to moodle!

a) Firewall. Install a firewall on Linux and block all ports you don't need to be open.

I closed port 22/tcp for ssh. I will switch the port for ssh also.

A screen shot of a computer

Description automatically generated

b) Ssherver. Install OpenSSH server and connect to it.

A screen shot of a computer

Description automatically generated

Password was weak so I changed it.

A black screen with white text

Description automatically generated

**sudo apt-get update**:

* + Updates the packages and package information for all repositories, making sure you have the latest package information.

**sudo apt-get install ufw**:

* + Installs **ufw** (Uncomplicated Firewall), for managing firewall rules on Linux.

**sudo ufw allow 22/tcp**:

* + Allows incoming connections on port 22 (default for SSH) for TCP protocol. It adds a rule to the firewall configuration to allow SSH traffic.

**sudo ufw enable**:

* + Turns on the firewall, enabling the configured rules.

**sudo apt-get install ssh**:

* + Installs the OpenSSH server, which is needed to host an SSH server and handle SSH connections.

**sudo systemctl start ssh**:

* + Starts the SSH service. After installation, the SSH service needs to be initiated to accept incoming SSH traffic.

**whoami**:

* + Displays the username of the currently logged-in user.

**ssh tero@localhost**:

* + Initiates an SSH connection to the local machine (**localhost**) using the username **tero**. It's basically connecting to itself for testing purposes.

**exit**:

* + Exits the SSH session and returns to the local shell.

**sudo adduser matti**:

* + Adds a new user named **matti** to the system. I used usseradd name

**ssh-keygen**:

* + Generates SSH keys (public and private key pair) used for secure authentication during SSH connections.

**ssh-copy-id tero@localhost**:

* + Copies the SSH key to the file of the specified user (**tero**) on the local machine (**localhost**), allowing SSH authentication without password.