



CRYPTONITE

JUNIOR TASK PHASE I

Overview

Congratulations on making it through the initial recruitment test. You are now a part of **Cryptonite's** first task phase. This will last **20 days**, with regular progress updates and a final interview with your mentor.

For this stage, you will complete a set of modules on the website pwn.college. This process involves:

- Setting up a Linux environment
- Creating a pwn.college account
- Learning and verifying your SSH keys

Linux Setup

Windows

- Download Windows Subsystem for Linux (Ubuntu 22.04). Link: [Download Ubuntu WSL](#)
- Launch Ubuntu from the apps menu. This will open directly into a terminal.

Note: Beginners are recommended to use WSL. Alternatively, VMware or VirtualBox can be used to run a Linux VM.

MacOS

No installation needed. macOS already includes SSH and is close enough to GNU/Linux.

SSH Setup

1. Run: `ssh-keygen -f key -N ''`.
2. Two files will be created: `key` and `key.pub`.
3. View the public key with: `cat key.pub`. It should start with `ssh-ed25519....`

Using the key with pwn.college:

- Create a pwn.college account.
- Go to **Settings** → **SSH Key**.
- Paste the contents of `key.pub`.

GitHub Setup

1. Create a GitHub account and verify your email.
2. Create a repository named: `pwn.college_yourfirstname`.



3. Clone the repository: `git clone <repo_url>`.
4. Enter the folder: `cd repo-name`.
5. Run the commands under “...or create a new repository on the command line” (shown by GitHub).
6. This creates your first commit.

Resources: [Git Basics Video](#), [Git Foundations](#).

pwn.college

- Complete the [Getting Started Dojo](#).
- Then complete the [Linux Luminarium Dojo](#).
- This dojo has 16 modules out of which you will be doing 14, each with challenges. Completion of a challenge gives a flag in the format: `pwn.college{RandomCharacters}`

Example flag: `pwn.college{xnPgKuFmae1qB0SEbDqThhLFQm2.qqwAlHQYjtGA5DmJ}`

Example SSH command to connect:

```
ssh -i ./key hacker@dojo.pwn.college
```

For every module, write a **Markdown report** with:

- Filename: `ModuleName.md` (e.g., `File_Globbing.md`)
- Upload to GitHub
- Include references or videos used

Markdown Guide: [GitHub Markdown Syntax](#).

Timeline

Day 1–10

Complete:

- Hello Hackers
- Pondering Paths
- Comprehending Commands
- Digesting Documentation
- File Globbing
- Practicing Piping
- Shell Variables

Day 11–20

Complete:

- Data Manipulation



- Processes and Jobs
- Untangling Users
- Perceiving Permissions
- Chaining Commands
- Terminal Multiplexing
- Pondering PATH

Additional Practice

Complete the remaining two modules of Linux Luminarium.

Play Bandit on OverTheWire: <https://overthewire.org/wargames/bandit>