Task

You have been tasked with constructing a Learning Station on the basic operating system commands for the Linux platform. The shape of your Learning Stations solves a challenging problem on Bandit at OverTheWire (OTW).

## Your learning station must include at the minimum:

* Evidence you solved up to bandit10 for year 11 students and 15 for year 12 students who’ve done the previous 10 before. Note: if you have done more than 15 last year, do five more than where you were at. 😊
* Material for learning stations that covers more than one of the following commands (you’ll likely need to do an exercise from bandit 6+):
  + file
  + find
  + du
  + grep
  + sort
  + uniq
  + strings
  + base64
* Note, you are not writing man articles on the commands. Instead, you are teaching someone how to solve a bandit problem that may require multiple commands.

## Learning Stations

What is a learning station? In education, Learning Stations are points of interest in a classroom that provides learners with the opportunity to step through a problem, teaching them to identify the different steps and highlighting how to solve them.

Our version of Learning Stations will consist of [markdown documents](https://www.markdownguide.org/cheat-sheet/) and potentially additional elements needed to teach, inform, or explain the scenario. Markdown Documents are similar to web pages but come with a lightweight formatting guide. Check the cheat sheet above or the style guide below for more information.

Use the template markdown provided with this assignment to help frame your work. Also, look at the cookbook articles on our GitHub for examples of how things have been broken down.

Remember, the goal of the process is not to show them the commands they need to solve the problem but to inform or educate them on how they could replicate, why they might care, etc.

In essence, you must provide a

* Introduction to the problem being solved
* An explanation of the solution
* An explanation of the different commands and how they work
* (extension) An analysis/evaluation/comparison of different commands that may also solve the problem.
* Feel free to add other material that you feel is essential to your learning station

# OverTheWire

OverTheWire (OTW) is a CTF lite training tool to help people new to Linux Administration to learn basic and useful tools.

<https://overthewire.org/wargames/bandit/bandit0.html>

Each level sets the goals required for completing the level including some valuable commands.

Text

Description automatically generated

You will see that they suggest commands that you may need to solve this level. In this case, it is ssh. How can we use this?

Open terminator and in the prompt type man ssh

If you can’t use man for some reason, you could search for it on google:

<https://linux.die.net/man/1/ssh>

Learning how to read man files is an important skill. However, don’t be afraid to supplement your knowledge by abusing google.

## Submission Guide

### Evidence of Bandit 1 – 10 | 1 - ?+5

At the minimum:

* A visual representation of all of the levels you’ve solved.

### Learning Station

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* (extension) other material that you feel is essential to your learning station