Task

You have been tasked with constructing Learning Stations on the basic operating system commands for the Linux platform. The shape of your Learning Stations is solving a number of problems on Bandit at OverTheWire (OTW).

## Your learning station must include at the minimum:

* Evidence that you have solved up to bandit 10 for year 11 students and 15 for year 12 students who’ve done the previous 10 before 😊
* Material for learning stations that covers at least 5 from the following commands:
  + file
  + find
  + du
  + grep
  + sort
  + uniq
  + strings
  + base64
* Note, you are not writing man articles on the commands. Rather 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 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 consists of [markdown documents](https://www.markdownguide.org/cheat-sheet/). Markdown Documents are similar to web pages but come with a very 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.

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.

# 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

### Learning tasks

At the minimum:

* A specification document
* Feel free to add anything else you want

### Learning deliverables

* A short description of your project.
* A description of the indented audience and use
* Sketches/Process diagramming
* Story Cards