

System Administration 1 Activity Sheet

Activity 1: Easter Egg Hunt

Try to find the following files in various locations in your file system.

The ten files to search for are:

1. [Ant-Man](#)
2. [Aquaman](#)
3. [Asterix](#)
4. [The Atom](#)
5. [The Avengers](#)
6. [Batgirl](#)
7. [Batman](#)
8. [Batwoman](#)
9. [Black Canary](#)
10. [Black Panther](#)

More advanced users: Try finding the file locations without using the `change` directory and `ls` commands.

Hint: Look at the `find` command

Activity 2: GenCyber Principles

1. Create a text file and name it `Principles.txt` under the Desktop folder using the nano editor
2. List out all the GenCyber principles you can recall in the text file
3. Save the file and create a backup
 - a. The backup should be named `PrinciplesBackup.txt`

Activity 3: Create a Superhero

4. Create a text file and name it `Superhero.txt` under the Desktop folder
5. In the text file, list all the details about your custom superhero.
6. Save the file and create a backup
 - a. The backup should be named `SuperheroBackup.txt`

System Administration 1 Cheat Sheet

File System Commands	
<code>pwd</code>	Lists where you are
<code>ls</code>	Prints out all directory contents (files and folders)
<code>ls *.txt</code>	List out and filter only text files
<code>ls -la</code> or <code>ls -l -a</code>	List out all hidden files and other information on files, including permissions.
<code>ls -d */</code>	List only directory names
<code>cd</code> (e.g., <code>cd directoryname</code>)	Change directory
<code>mkdir</code> (e.g., <code>mkdir directoryname</code>)	Make a new directory
<code>rmdir</code> (e.g., <code>rmdir directoryname</code>)	Remove a directory
<code>history</code>	It shows the command history. For example, issuing <code>![number]</code> will run the command with the number next to it.
<code>compgen -c</code>	Lists all the system commands you can run.

Reading/Writing Files Commands	
<code>cat</code> (e.g., <code>cat filename.txt</code>)	Used to print out file contents to the terminal window
<code>less</code> (e.g., <code>less filename.txt</code>)	Used to read large files without cluttering the screen
<code>tail</code> (e.g., <code>tail filename.txt</code>)	Output the last part of a file
<code>nano</code> (e.g., <code>nano filename.txt</code>)	Used to create and edit a file
<code>cp</code> (e.g., <code>cp filename.txt newfilename.txt</code>)	Make a copy of a file.

Searching for Files Commands	
<code>find</code> (e.g., <code>find . -name '*.txt'</code>)	Used to search the file system