Finding Files and Directories

What You Will Learn

- Two commands that allow you to find files and directories.

The `find` Command

```
find [path…] [expression]
```

Recursively finds files in path that match expression. If no arguments are supplied it find all files in the current directory.

`find` Options

`-name pattern` Find files and directories that match pattern.

`-iname pattern` Like -name, but ignores case.

`-ls` Performs an `ls` on each of the found items.

`find` Options

```
-mtime days    Finds files that are days old.
-size num      Finds file that are of size num.
-newer file    Finds files that are newer
               than file.


-exec command {} \;
Run command against all the files that are found.
```

A Fast Find - `locate`

```
locate pattern
```

- Lists files that match pattern.
- Faster than the `find` command.
- Queries an index.
- Results are not in real time.
- May not be enabled on all systems.

Summary

- find
- locate