## \* Locate

- The locate Utility Program Performs a Search while taking advantage of Previously, constructed database of files and directories on your system, matching an entries that contain a specified character string.
- -> To get a shorter land Possible more relevant

  11'st, we can use grep Program as a

  filter grep will Print any the lines that

  contain one or more specified string, as in

  \$ 10 cate zip grep bin
  - -> which will list all the files and directory with both zip and bin in their name.

## \* Wild cards and matching Filenames

-> You can search for a file name containing specific character using wildcards.

wildcard	Result
7	matches any single character
*	matches any string
[Set]	matches any characters in set of characters for example [adf] will match any occurrence of aidi
[136+]	not in the set

- \* Using find
- when no arguments are given, find nists all files in the current directory and all of its subdirectories.
- -> Commonly used options to shorten the list include name (only list files with certain pattern in their name)

-> - imagine (also ignore the cases of file name)

-> -type (which will restrict the result to files of a certain specified type, such as d for directory, I for symbolic link, or & for a regular file etc)

Searching for files and directories named scc

\$ find | usr - name gcc

Persent directory

searching only for directories mmed acc:

& find lust -type d - name occ

Searching only for regular files hamed scc:

\$ find | 4sr - type f - name acc

## \*Using Advanced find options

- -> exec option is used to match your search criteria.
  - -> To find and remove all files that ends with .SWP:
  - \$ find name " \*. swp" exec rm &3 '; '
  - -) The SS is a placeholder that will be filled with all file names that result from the find expression
  - -> Please note that you have to end the command with either ";" this or
    - -> one can also use the -or applion which behaves the same as -exec
      - expect find will frompt you permission before executing the command.

- \* Finding File Based on Time and size
- -) To find files based on time

  \$ find |-ctime 3
- -) Here -ctime is when the mode metadata (
  file ownership, Permission etc).
- -> Last changed accessed | last read (-atime)
- -> modified | last written (-mtime)
- -1 The number is number of days and can be expressed either a number (n) that means exactly that value.
  - -> In which means greater that that hymer.
- -> -n which is smaller is is
- -> There are similar options for times in minytes (as in -cmin, -amin, mmin).
- \* To find files based on sizes.

\$ find \ - size 0

-> Note that size here is in 512 bite blocks
by default

-> you can also specify (c), 17/106/108 (13),
megabytes (m), Gigabytes (G).

-> exact number -> n
greater then -> +n
smaller then -> -n

\$ find f-size +10m -exacte command (3 1;3