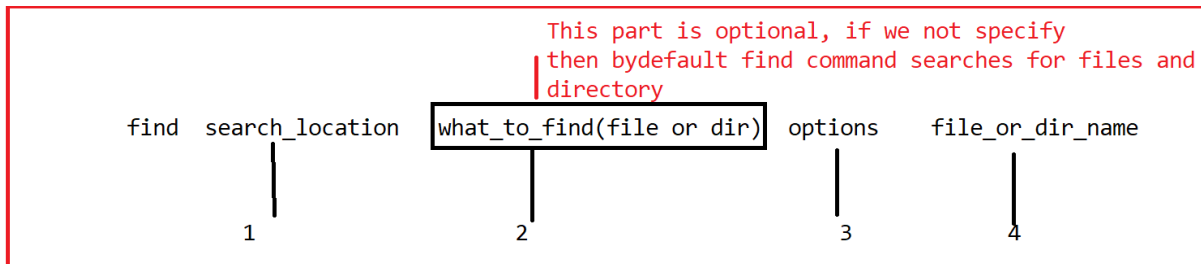


## find command

-> find command is used to search a file or directory **in a file system**

-> find command work recursively

### Syntax of find command



1- we need to specify search location

2- what to find? You are searching for only files or only directory  
we can specify criteria using -type option

3- options =on which basis you want to find (like size, access time, permission etc)

4 - File or directory name

Example 1: search F1.txt file in the current working location

Ans: find . -type f -name F1.txt

} These both commands are correct but  
first command searches only for file

Ans: find . -name F1.txt

} second command searches for both files and  
directory

Example : Search **F1 directory** in the current location

Ans: find . -type d -name F1

Example : search **all files and directories** named with F1

Ans: find . -name F1

Example : Find only files which are present in current location where file extension is .txt

Ans: find . -type f -name '\*.txt'

Example : Find only files present in current location where file extension .log

Ans: find . -type f -name '\*.log'

Example : Find only files present in current location where file extension is .exe

Ans: find . -type f -name '\*.exe'

Example : Find only directories which are present in current location where directory name start with D

Ans: find . -type d -name 'D\*'

Example : Find only files which are present in current location where file name start with D and has .txt extension

Ans: find . -type f -name 'D\*.txt'

Example : Find all directories in current location where directory name end with l

Ans: find . -type d -name '\*l'

Example : find a file F1.txt in current location by ignoring case

find . -type f -name F1.txt -> This command find F1.txt

find . -type f -name f1.txt -> This command find f1.txt

find . -type f -iname f1.txt -> This command find both F1.txt and f1.txt

Note: -i option is used to ignore the case

### Exercise Examples

- 1) Find only directories in current location where second character in name is r
- 2) Find only directories in current location where directory name has only 5 characters
- 3) Find only files in current location where File name last character is m and has .txt extension