# find Assignment

**Mandatory:**

1. Search and display all \*.c and \*.h files in all subdirectories starting from current directory

* find -name "\*.h" -or -name "\*.cpp"

1. Search and display all directories in all subdirectories starting from current directory

* find -type d

1. Search and display all files with permissions only rw with user and execute permission for others

* ls -l d1 | grep “.rw.r….x”

**Optional Assignments:**

1. Search and copy all files whose size is < 500 bytes to a directory named “backup”

* find . -size 500c

1. Starting from home directory, find and display all
   * 1. empty files
     + find -type f -empty
     1. readonly files
     + find <specify location> -type f -perm -444
     1. all empty directories
     + find -type f -empty
2. Search for a user input pattern in a set of files, extract all lines with the pattern , redirect to a file and display the contents of the file
3. Search and display all files which were modified in last 15 days

* find . -atime -15 | more

1. Search and display all file which were modified in last 10-15 days

* find . -atime +10 -atime -15

1. count the number of words in all \*.txt files in a directory and display

* ls | wc -l

1. In a given directory sort all files based on their size (descending order) and then read and display the contents of each file