# find Assignment

**Mandatory:**

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

Ans) we can use find command with the wildcard pattern for easy sarching

Command : Find . -type f \( -name “\*.c” -o -name “\*.h” \)

Find . (Searches in the current directory(.) and all subdirectories.

-type f (limits the search to files)

\( -name “\*.c” -o -name “\*.h”\) (matches files with either a .c or .h extension using the -name option with -o(or)).

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

Ans) Command : find . -type d

Find . (starts the search from the current directory(.) and goes through all subdirectories.

-type d (limits the search to directories only)

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

Ans) Command : find . -type f -perm u=rw,o=x

-perm u=rw,o=x (specifies files with exactly rw permission for the user(u=rw) and execute permission for others(o=x);