**FILE DIRECTORY**

Mandatory:

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

Ans: find ./  -name “\*.c”

find ./ -name "\*.h"

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

Ans: find . -type d

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

Ans:

find . -type f -perm 677

or

find . -user $(whoami) -perm 0677

or

find . -type f -perm u-x

**GREP ASSIGNMENT**

Mandatory:

1. Use any .c file. Using grep command extract and display

a. all lines beginning with #include with line numbers

ans- command: grep -rn '^#include' \*.c

A screenshot of a computer

Description automatically generated

b. display all lines which do not begin with #include

ans: command- grep -vn '^#include' 2.c

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c. display the line number of main()

ans: command- grep -n 'main()' file.c

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d. extract all lines containing characters of opening and closing parathesis {(,))

ans: command- grep '[(){}]' 1.c

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2. Perform the above operations on a set of \*.c files

Ans: commands- grep -rni '[(){}]' \*.c

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