**FILE DIRECTORY**

Mandatory:

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

**Ans;** find ./  -name “\*.c”----for \*. files

find ./ -name "\*.h"---for \*.h files

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

**Ans:** find.-type d ---using this command we can search and display all directories in all subdirectories being in current directory.

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

**Ans:** find . -type f -perm u-x

**GREP ASSIGNMENT**

Mandatory:

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

**Ans:** vi <filename.c>

**a)all lines beginning with #include with line numbers**

**Ans**: grep -n '^#include' filename.c

1. **display all lines which do not begin with #include**

**Ans:** grep -v '^#include' filename.c

**c)display the line number of main()**

**Ans:** grep -n 'main' filename.c

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

**Ans**: grep '[(){}]' filename.c\

A screenshot of a computer

Description automatically generated

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

**Ans**: grep -rni ‘^#include’file.c

grep -rvi ‘^main’file.c

grepv -rni ‘main’ file.c

grep -rni '[(){}]' filename.c\