**find Assignment**

Mandatory:

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

A. find ./ -name “\*.c”

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

A. find . -type d

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

A. find . -type f -perm u-x

**grep Assignment**

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

vi file1.c

a. all lines beginning with #include with line numbers

A. grep -n ‘^#include’ file1.c

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

A.grep -v ‘^#include’ file1.c

c. display the line number of main()

A.grep -n ‘main’ file1.c

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

A. grep '[(){}]' file.c

A screenshot of a computer

Description automatically generated

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

A. grep -rni ‘^#include’ file1.c

grep -rvi ‘^#include’file1.c

grep -rni ‘main’ file1.c

grep -rni '[(){}]' file1.c