**ASSIGNMENT -5**

**Find Assignment**

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

To search and display all ‘.c’ and ‘.h’ files in all subdirectories starting from the current directory, we use the ‘find’ command in the terminal.

Ex: find . -name “\*.c” -o -name “\*.h”

This command starts searching from the current directory (‘.’) and looks for files that end with ‘.c’ or ‘.h’. It will display the paths of all matching files.

A black screen with white text

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

To search and display all directories in all subdirectories starting from the current directory, we use the ‘find’ command.

Ex: find . -type d

This command will list all directories ‘-type d’.

A screen shot of a computer

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

To search and display all files with permissions only rw with user and execute permission for others, we use the ‘find’ command.

Ex: find . -type f -perm 661

In this command:

* ‘.’ Indicates that the search starts from current directory.
* ‘-type f’ specifies that you are looking for files.
* ‘-perm 661’ specifies the permission set where the user and group have read(r) and write(w) permission and orthers have execute(x) permission

