

## Find Assignment

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

```
find . -type f \( -name "*.c" -o -name "*.h" \)
```

```
user72@trainux01:~/Batch20oct2024-2025$ find . -type f \( -name "*.c" -o -name "*.h" \)
./store.c
./ChaiFldr/doloop.c
./ChaiFldr/large.c
./ChaiFldr/whileloop.c
./ChaiFldr/det.c
./ChaiFldr/day07/p2.c
./ChaiFldr/day07/p5.c
./ChaiFldr/day07/p9.c
./ChaiFldr/day07/p6.c
./ChaiFldr/day07/p3.c
./ChaiFldr/day07/pl.c
./ChaiFldr/day07/p7.c
./ChaiFldr/day07/al.c
./ChaiFldr/day07/p8.c
./ChaiFldr/day07/pl0.c
./ChaiFldr/day07/p4.c
./ChaiFldr/day13/p2.c
./ChaiFldr/day13/file1.c
./ChaiFldr/day13/p3.c
./ChaiFldr/day13/pl.c
./ChaiFldr/day06/gdbTool/file1.c
./ChaiFldr/day06/gdbTool/main.c
./ChaiFldr/day06/gprofTool/main.c
./ChaiFldr/day06/cTagsTool/ctags/project/main/src/main.c
./ChaiFldr/day06/cTagsTool/ctags/project/mod1/src/mod1_func.c
./ChaiFldr/day06/cTagsTool/ctags/project/mod2/src/mod2_func.c
./ChaiFldr/day06/cTagsTool/ctags/project/mod4/src/mod4_func.c
./ChaiFldr/day06/cTagsTool/ctags/project/mod3/src/mod3_func.c
./ChaiFldr/day06/valgrindTool/main.c
./ChaiFldr/day11/p2.c
./ChaiFldr/day11/p5.c
./ChaiFldr/day11/p6.c
./ChaiFldr/day11/p3.c
./ChaiFldr/day11/pl.c
./ChaiFldr/day11/p7.c
./ChaiFldr/day11/p4.c
./ChaiFldr/day09/functions.c
```

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

```
find . -type d
```

```

user72@trainux01:~/Batch20oct2024-202$ find . -type d
.
./ChaiFldr
./ChaiFldr/day07
./ChaiFldr/day13
./ChaiFldr/day06
./ChaiFldr/day06/gdbTool
./ChaiFldr/day06/gprofTool
./ChaiFldr/day06/cTagsTool
./ChaiFldr/day06/cTagsTool/ctags
./ChaiFldr/day06/cTagsTool/ctags/project
./ChaiFldr/day06/cTagsTool/ctags/project/main
./ChaiFldr/day06/cTagsTool/ctags/project/main/src
./ChaiFldr/day06/cTagsTool/ctags/project/mod1
./ChaiFldr/day06/cTagsTool/ctags/project/mod1/src
./ChaiFldr/day06/cTagsTool/ctags/project/mod1/include
./ChaiFldr/day06/cTagsTool/ctags/project/mod2
./ChaiFldr/day06/cTagsTool/ctags/project/mod2/src
./ChaiFldr/day06/cTagsTool/ctags/project/mod2/include
./ChaiFldr/day06/cTagsTool/ctags/project/mod4
./ChaiFldr/day06/cTagsTool/ctags/project/mod4/src
./ChaiFldr/day06/cTagsTool/ctags/project/mod4/include
./ChaiFldr/day06/cTagsTool/ctags/project/mod3
./ChaiFldr/day06/cTagsTool/ctags/project/mod3/src

```

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

```

user72@trainux01:~/Batch20oct2024-202$ find . -type f -perm 764
user72@trainux01:~/Batch20oct2024-202$ ll
total 100
drwxrwxr-x 10 user72 user72 4096 Nov 19 07:04 ./
drwx----- 20 user72 user72 4096 Nov 19 07:41 ../
drwxrwxr-x  8 user72 user72 4096 Nov  6 06:18 .git/
-rw-r--r--  1 user72 user72 12288 Nov 19 07:08 .stackoperation.c.swp
drwxrwxr-x  2 user72 user72 4096 Nov  6 06:18 Assignments/
drwxrwxr-x  3 user72 user72 4096 Oct 28 07:27 CGBatch17Oct2024/
drwxrwxr-x 11 user72 user72 4096 Nov 15 06:34 ChaiFldr/
-rw-rw-r--  1 user72 user72   21 Oct 28 07:11 README.md
-rwxrwxr-x  1 user72 user72 12928 Nov 19 07:03 a.out*
drwxrwxr-x  3 user72 user72 4096 Oct 25 11:57 classwork/
-rw-rw-r--  1 user72 user72   320 Nov 12 09:24 employees.dat
-rw-rw-r--  1 user72 user72    40 Oct 25 10:57 github.txt
drwxrwxr-x  6 user72 user72 4096 Nov 15 06:55 prjct1/
-rw-rw-r--  1 user72 user72   830 Nov 15 05:31 prjct1.c
drwxrwxr-x  2 user72 user72 4096 Nov  5 12:37 quest/
-rw-rw-r--  1 user72 user72 4208 Nov 15 06:32 recs.c
-rw-rw-r--  1 user72 user72 2810 Nov 19 07:03 stackoperation.c
-rw-rw-r--  1 user72 user72 1161 Nov 15 06:32 store.c
drwxrwxr-x  3 user72 user72 4096 Oct 29 06:16 todFldr/

```