

find Assignment

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

```
user41@trainux01: ~  
user41  
Sun Nov 3 08:57:48 UTC 2024  
user41@trainux01:~/30023479/assignments/day_03/test$ cd  
user41@trainux01:~$ find -name "*.h" -or -name "*.c"  
./Batch17OCT2024_479/bhimaFldr/day05/day06/gdbTool/file1.c  
./Batch17OCT2024_479/bhimaFldr/day05/day06/gdbTool/main.c  
./Batch17OCT2024_479/bhimaFldr/day05/day06/gprofTool/main.c  
./Batch17OCT2024_479/bhimaFldr/day05/day06/cTagsTool/ctags/project/main/src/main.c  
./Batch17OCT2024_479/bhimaFldr/day05/day06/cTagsTool/ctags/project/mod1/src/mod1_func.c  
./Batch17OCT2024_479/bhimaFldr/day05/day06/cTagsTool/ctags/project/mod1/include/mod1_func.h  
./Batch17OCT2024_479/bhimaFldr/day05/day06/cTagsTool/ctags/project/mod2/src/mod2_func.c  
./Batch17OCT2024_479/bhimaFldr/day05/day06/cTagsTool/ctags/project/mod2/include/mod2_func.h  
./Batch17OCT2024_479/bhimaFldr/day05/day06/cTagsTool/ctags/project/mod4/src/mod4_func.c  
./Batch17OCT2024_479/bhimaFldr/day05/day06/cTagsTool/ctags/project/mod4/include/mod4_func.h  
./Batch17OCT2024_479/bhimaFldr/day05/day06/cTagsTool/ctags/project/mod3/src/mod3_func.c  
./Batch17OCT2024_479/bhimaFldr/day05/day06/cTagsTool/ctags/project/mod3/include/mod3_func.h  
./Batch17OCT2024_479/bhimaFldr/day04/inc/calc.h  
./Batch17OCT2024_479/bhimaFldr/day04/src/calc.c  
./Batch17OCT2024_479/bhimaFldr/day04/src/main.c  
./CGBatch17Oct2024/day01_day03/makeUt/inc/calc.h  
./CGBatch17Oct2024/day01_day03/makeUt/src/calc.c  
./CGBatch17Oct2024/day01_day03/makeUt/src/main.c  
./CGBatch17Oct2024/day01_day03/libs/calc.h  
./CGBatch17Oct2024/day01_day03/libs/calc.c  
./CGBatch17Oct2024/day01_day03/libs/main.c  
./CGBatch17Oct2024/day01_day03/test1.c  
./CGBatch17Oct2024/day01_day03/main.c  
./CGBatch17Oct2024/day06/gdbTool/file1.c  
./CGBatch17Oct2024/day06/gdbTool/main.c  
./CGBatch17Oct2024/day06/gprofTool/main.c  
./CGBatch17Oct2024/day06/cTagsTool/ctags/project/main/src/main.c  
./CGBatch17Oct2024/day06/cTagsTool/ctags/project/mod1/src/mod1_func.c  
./CGBatch17Oct2024/day06/cTagsTool/ctags/project/mod1/include/mod1_func.h  
./CGBatch17Oct2024/day06/cTagsTool/ctags/project/mod2/src/mod2_func.c  
./CGBatch17Oct2024/day06/cTagsTool/ctags/project/mod2/include/mod2_func.h  
./CGBatch17Oct2024/day06/cTagsTool/ctags/project/mod4/src/mod4_func.c  
./CGBatch17Oct2024/day06/cTagsTool/ctags/project/mod4/include/mod4_func.h  
./CGBatch17Oct2024/day06/cTagsTool/ctags/project/mod3/src/mod3_func.c  
./CGBatch17Oct2024/day06/cTagsTool/ctags/project/mod3/include/mod3_func.h  
./CGBatch17Oct2024/day04_day05/Tools/gdbTool/file1.c  
./CGBatch17Oct2024/day04_day05/Tools/gdbTool/main.c  
./CGBatch17Oct2024/day04_day05/Tools/gprofTool/main.c  
./CGBatch17Oct2024/day04_day05/Tools/cscopeTool/project/main/src/main.c  
./CGBatch17Oct2024/day04_day05/Tools/cscopeTool/project/mod1/src/mod1_func.c
```

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

```
user41@trainux01: ~  
./test/shell.c  
./test/main.c  
user41@trainux01:~$ find . -type d  
.  
./cache  
./Batch17OCT2024_479  
./Batch17OCT2024_479/classwork  
./Batch17OCT2024_479/classwork/day01  
./Batch17OCT2024_479/.git  
./Batch17OCT2024_479/.git/logs  
./Batch17OCT2024_479/.git/logs/refs  
./Batch17OCT2024_479/.git/logs/refs/heads  
./Batch17OCT2024_479/.git/logs/refs/remotes  
./Batch17OCT2024_479/.git/logs/refs/remotes/origin  
./Batch17OCT2024_479/.git/hooks  
./Batch17OCT2024_479/.git/objects  
./Batch17OCT2024_479/.git/objects/77  
./Batch17OCT2024_479/.git/objects/61  
./Batch17OCT2024_479/.git/objects/67  
./Batch17OCT2024_479/.git/objects/d2  
./Batch17OCT2024_479/.git/objects/92  
./Batch17OCT2024_479/.git/objects/9b  
./Batch17OCT2024_479/.git/objects/pack  
./Batch17OCT2024_479/.git/objects/8c  
./Batch17OCT2024_479/.git/objects/4c  
./Batch17OCT2024_479/.git/objects/e6  
./Batch17OCT2024_479/.git/objects/3e  
./Batch17OCT2024_479/.git/objects/info  
./Batch17OCT2024_479/.git/objects/08  
./Batch17OCT2024_479/.git/refs  
./Batch17OCT2024_479/.git/refs/heads  
./Batch17OCT2024_479/.git/refs/tags  
./Batch17OCT2024_479/.git/refs/remotes  
./Batch17OCT2024_479/.git/refs/remotes/origin  
./Batch17OCT2024_479/.git/info  
./Batch17OCT2024_479/.git/branches  
./Batch17OCT2024_479/bhimaFldr  
./Batch17OCT2024_479/bhimaFldr/day05  
./Batch17OCT2024_479/bhimaFldr/day05/day06  
./Batch17OCT2024_479/bhimaFldr/day05/day06/gdbTool  
./Batch17OCT2024_479/bhimaFldr/day05/day06/gprofTool  
./Batch17OCT2024_479/bhimaFldr/day05/day06/cTagsTool  
./Batch17OCT2024_479/bhimaFldr/day05/day06/cTagsTool/ctags/project
```

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

```
user41@trainux01: ~  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/logs  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/logs/refs  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/logs/refs/heads  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/logs/refs/remotes  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/logs/refs/remotes/origin  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/hooks  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/objects  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/objects/61  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/objects/92  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/objects/pack  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/objects/info  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/objects/08  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/refs  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/refs/heads  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/refs/tags  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/refs/remotes  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/refs/remotes/origin  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/info  
./bhimaFlldr/CGBatch20oct2024/Batch17OCT2024_479/.git/branches  
./bhimaFlldr/CGBatch20oct2024/.git  
./bhimaFlldr/CGBatch20oct2024/.git/logs  
./bhimaFlldr/CGBatch20oct2024/.git/logs/refs  
./bhimaFlldr/CGBatch20oct2024/.git/logs/refs/heads  
./bhimaFlldr/CGBatch20oct2024/.git/logs/refs/remotes  
./bhimaFlldr/CGBatch20oct2024/.git/logs/refs/remotes/origin  
./bhimaFlldr/CGBatch20oct2024/.git/hooks  
./bhimaFlldr/CGBatch20oct2024/.git/objects  
./bhimaFlldr/CGBatch20oct2024/.git/objects/f0  
./bhimaFlldr/CGBatch20oct2024/.git/objects/38  
./bhimaFlldr/CGBatch20oct2024/.git/objects/e2  
./bhimaFlldr/CGBatch20oct2024/.git/objects/pack  
./bhimaFlldr/CGBatch20oct2024/.git/objects/c6  
./bhimaFlldr/CGBatch20oct2024/.git/objects/info  
./bhimaFlldr/CGBatch20oct2024/.git/refs  
./bhimaFlldr/CGBatch20oct2024/.git/refs/heads  
./bhimaFlldr/CGBatch20oct2024/.git/refs/tags  
./bhimaFlldr/CGBatch20oct2024/.git/refs/remotes  
./bhimaFlldr/CGBatch20oct2024/.git/refs/remotes/origin  
./bhimaFlldr/CGBatch20oct2024/.git/info  
./bhimaFlldr/CGBatch20oct2024/.git/branches  
user41@trainux01:~$ find . -type f -perm 701  
user41@trainux01:~$ find . -type f -perm 601  
user41@trainux01:~$
```