cTags

```
user72@trainux01:~$ cd CGBatch170ct2024
user72@trainux01:~/CGBatch170ct2024$ 11
total 48
drwxrwxr-x 8 user72 user72 4096 Nov 5 10:30 ./
drwx----- 20 user72 user72 4096 Nov 5 17:56 ../
drwxrwxr-x 8 user72 user72 4096 Nov 5 10:30 .git/
-rw-rw-r-- 1 user72 user72 20 Nov 5 10:30 .git/
-rw-rw-r-- 1 user72 user72 450 Nov 5 10:30 .gitignore
-rw-rw-r-- 1 user72 user72 450 Nov 5 10:30 README.md
drwxrwxr-x 4 user72 user72 4096 Nov 5 10:30 day01_day03
drwxrwxr-x 3 user72 user72 4096 Nov 5 10:30 day04_day05
                                                               5 10:30 day01_day03/
5 10:30 day04_day05/
drwxrwxr-x 6 user72 user72 4096 Nov
                                                               5 10:30 day06/
drwxrwxr-x 2 user72 user72 4096 Nov 5 10:30 day07/
drwxrwxr-x 2 user72 user72 4096 Nov 5 10:30 day08/
-rw-rw-r-- 1 user72 user72
                                                    0 Nov 5 10:30 t1.txt
 -rw-rw-r-- 1 user72 user72
                                                    6 Nov 5 10:30 t2.txt.txt
 -rw-rw-r-- 1 user72 user72
                                                  0 Nov 5 10:30 t3.txt
-rw-rw-r-- 1 user72 user72
                                                  15 Nov 5 10:30 t4.txt
 -rw-rw-r-- 1 user72 user72
                                                  0 Nov 5 10:30 t5.txt
user72@trainux01:~/CGBatch170ct2024$ cd day06
user72@trainux01:~/CGBatch17Oct2024/day06$ 11
total 24
```

```
#include "modi_func.h"

int main()

{    printf("main() started\n");

modl_func();

return 0;

}
```

Bring the cursor to the function call of "mod1_func", and press Ctrl-]. Will notice vi opens the file where mod1_func is defined.

Now position the cursor on mod2_func call. Press Ctrl-]. Reach the definition of mod2 func.

Function call stack as of now: main() -> mod1_func() -> mod2_func().

Press Ctrl-t. You will return backwards to the calling place i.e. reach mod1_func()

Function call stack as of now: main() -> mod1_func()

Press Ctrl-t. Will return backwards to the calling place i,e. reach main()

Function call stack as of now: main()

There are many more commands and shortcuts in vi using ctags. e.g. you can give vi command its mod4 func Above command will jump to mod4_func() definition

```
1 #include <stdio.h>
2 #include "mod1_func.h"
3 #include "mod2_func.h"
4
5 void mod1_func()
6 {
7   printf("mod1_func() is called\n");
8   mod2_func();
9 }
~
```

```
1 #include <stdio.h>
2 #include "mod2_func.h"
3 #include "mod3_func.h"
4
5 void mod2_func()
6 {
7   printf("mod2_func() is called\n");
8   mod3_func();
9 }
```

```
1 #include <stdio.h>
2 #include "mod3_func.h"
3 #include "mod4_func.h"
4
5 void mod3_func()
6 {
7  printf("mod3_func() is called\n");
8  mod4_func();
9 }
```

```
1 #include <stdio.h>
2 #include "mod4_func.h"
3
4 void mod4_func()
5 {
6  printf("mod4_func() is called\n");
7 }
~
```