cTags

```
user64@trainux01:~/Batch170ct2024_189/ashFldr/day06/cTagsTool$ 11
total 12
druxrwxr-x 3 user64 user64 4096 Oct 29 06:20 ./
drwxrwxr-x 5 user64 user64 4096 Oct 29 06:20 c./
drwxrwxr-x 5 user64 user64 4096 Oct 29 06:20 c.dgs/
user64@trainux01:~/Batch170ct2024_189/ashFldr/day06/cTagsTool$ cd ctags
user64@trainux01:~/Batch170ct2024_189/ashFldr/day06/cTagsTool$ cd ctags
user64@trainux01:~/Batch170ct2024_189/ashFldr/day06/cTagsTool/ctags$ 11
total 12
drwxrwxr-x 3 user64 user64 4096 Oct 29 06:20 ./
drwxrwxr-x 3 user64 user64 4096 Oct 29 06:20 ./
drwxrwxr-x 7 user64 user64 4096 Oct 29 06:20 project/
user64@trainux01:~/Batch170ct2024_189/ashFldr/day06/cTagsTool/ctags$ cd project
user64@trainux01:~/Batch170ct2024_189/ashFldr/day06/cTagsTool/ctags$ project$ 11
total 15
drwxrwxr-x 7 user64 user64 4096 Oct 29 06:20 ./
drwxrwxr-x 7 user64 user64 4096 Oct 29 06:20 ./
drwxrwxr-x 1 user64 user64 4096 Oct 29 06:20 ./
drwxrwxr-x 1 user64 user64 4096 Oct 29 06:20 ./
drwxrwxr-x 1 user64 user64 4096 Oct 29 06:20 ../
drwxrwxr-x 1 user64 user64 4096 Oct 29 06:20 cscope.files
-rw-rw-r- 1 user64 user64 4096 Oct 29 06:20 cscope.out
drwxrwxr-x 4 user64 user64 4096 Oct 29 06:20 main/
drwxrwxr-x 4 user64 user64 4096 Oct 29 06:20 mod/
drwxrwxr-x 4 user64 user64 4096 Oct 29 06:20 mod/
drwxrwxr-x 4 user64 user64 4096 Oct 29 06:20 mod/
drwxrwxr-x 4 user64 user64 4096 Oct 29 06:20 mod/
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drwxrwxr-x 4 user64 us
```

```
#include <stdio.h>
#include "modl_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 }
~
```