**DAY-06**

**Ctags:**

* It is like a book marking like index.
* By using tags we can find function where it is declared.
* $ ctags -R .

Loading the index data in vi:

$ vi file.c

Set tags = <path-of-tag-file>

:set tags=../../tags – relative path

Navigating:

By clicking ctrl+] = go to the function called

Ctrl+t = go back

**Cscope:**

* Cscope stores its data in afile called cscope.out
* $ cscope ‘find .-name’\*.[ch] = to fin all .c , .h files in directory tree
* $ find . -name ‘\*.[ch]’ > cscope.files
* Cscope -I cscope.files
* Ctrl+d = come back from cscope

**Performance profiling using gprof:**

* Gprof allow us to measure how much percentage of time is spent in different functions.

**Running the application:**

$ ./application

Run produces a file called gmon.out

**Generating performance report:**

$ gprof ./ application gmon.out

**Gdb:**

**Valgrind:**

**Vi valclient1**

Vi main.c

Gcc -o app main.c

$ valgrind -v –tool=memcheck –leak-check=full –show-reachable=yes –log-file=valclient1 ./app