

Ubuntu Homework1

김민주

01 Ubuntu 의 기본 명령어

Ls

Vi

Pwd

Cd

Mkdir

Sudo apt-get install

Cat

Gcc (-g -o, -o)

Rm -rf



01 Ubuntu 의 기본 명령어

```
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~$ ls
Desktop Downloads Music Public Videos
Documents examples.desktop Pictures Templates
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~$ mkdir lecture
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~$ ls
Desktop Downloads lecture Pictures Templates
Documents examples.desktop Music Public Videos
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~$ pwd
/home/alswnqodrl
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~$ cd lecture
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture$ mkdir c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture$ ls
c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture$ cd c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ ls
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ sudo apt-get update
[sudo] password for alswnqodrl:
Hit:1 http://kr.archive.ubuntu.com/ubuntu xenial InRelease
Hit:2 http://kr.archive.ubuntu.com/ubuntu xenial-updates InRelease
Hit:3 http://security.ubuntu.com/ubuntu xenial-security InRelease
Hit:4 http://kr.archive.ubuntu.com/ubuntu xenial-backports InRelease
Reading package lists... Done
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ sudo apt-get install vim
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  vim-runtime
Suggested packages:
  ctags vim-doc vim-scripts vim-gnome-py2 | vim-gtk-py2 | vim-gtk3-py2
  | vim-athena-py2 | vim-nox-py2
The following NEW packages will be installed:
  vim vim-runtime
0 upgraded, 2 newly installed, 0 to remove and 346 not upgraded.
Need to get 6,199 kB of archives.
After this operation, 30.0 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://kr.archive.ubuntu.com/ubuntu xenial-updates/main amd64 vim-runtime all 2:7.4.1689-3ubuntu1.2 [5,164 kB]
Get:2 http://kr.archive.ubuntu.com/ubuntu xenial-updates/main amd64 vim amd64 2:7.4.1689-3ubuntu1.2 [1,036 kB]
Fetched 6,199 kB in 48s (128 kB/s)
Selecting previously unselected package vim-runtime.
(Reading database ... 176201 files and directories currently installed.)
Preparing to unpack .../vim-runtime_2%3a7.4.1689-3ubuntu1.2_all.deb ...
Adding 'diversion of /usr/share/vim/vim74/doc/help.txt to /usr/share/vim/vim74/doc/help.txt.vim-tiny by vim-runtime'
Adding 'division of /usr/share/vim/vim74/doc/tags to /usr/share/vim/vim74/doc/tags.vim-tiny by vim-runtime'
Unpacking vim-runtime (2:7.4.1689-3ubuntu1.2) ...
Selecting previously unselected package vim.
Preparing to unpack .../vim_2%3a7.4.1689-3ubuntu1.2_amd64.deb ...
Unpacking vim (2:7.4.1689-3ubuntu1.2) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up vim-runtime (2:7.4.1689-3ubuntu1.2) ...
Setting up vim (2:7.4.1689-3ubuntu1.2) ...
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vim (vim) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vimdiff (vimdiff) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rvim (rvim) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rview (rview) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vi (vi) in auto mode
update-alternatives: using /usr/bin/vin.basic to provide /usr/bin/view (view) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/ex (ex) in auto mode
```

01 Ubuntu 의 기본 명령어

```
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

Desktop Downloads Music Public Videos
Documents examples.desktop Pictures Templates
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~$ mkdir lecture
Desktop Downloads lecture Pictures Templates
Documents examples.desktop Music Public Videos
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~$ pwd
/home/alswnqodrl
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~$ cd lecture
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture$ mkdir c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture$ ls
c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture$ cd c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ ls
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ sudo apt-get update
[sudo] password for alswnqodrl:
Hit:1 http://kr.archive.ubuntu.com/ubuntu xenial InRelease
Hit:2 http://kr.archive.ubuntu.com/ubuntu xenial-updates InRelease
Hit:3 http://security.ubuntu.com/ubuntu xenial-security InRelease
Hit:4 http://kr.archive.ubuntu.com/ubuntu xenial-backports InRelease
Reading package lists...
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  vim-runtime
Suggested packages:
  ctags vim-doc vim-scripts vim-gnome-py2 | vim-gtk-py2 | vim-gtk3-py2
  | vim-athena-py2 | vim-nox-py2
The following NEW packages will be installed:
  vim vim-runtime
0 upgraded, 2 newly installed, 0 to remove and 346 not upgraded.
Need to get 6,199 kB of additional disk space.
After this operation, 30.0 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://kr.archive.ubuntu.com/ubuntu xenial-updates/main amd64 vim-runtime all 2:7.4.1689-3ubuntu1.2 [5,164 kB]
Get:2 http://kr.archive.ubuntu.com/ubuntu xenial-updates/main amd64 vim amd64 2:7.4.1689-3ubuntu1.2 [1,036 kB]
Fetched 6,199 kB in 48s (128 kB/s)
Selecting previously unselected package vim-runtime.
(Reading database ... 176201 files and directories currently installed.)
Preparing to unpack .../vim-runtime_2%3a7.4.1689-3ubuntu1.2_all.deb ...
Adding 'diversion of /usr/share/vim/vim74/doc/help.txt to /usr/share/vim/vim74/doc/help.txt.vim-tiny by vim-runtime'
Adding 'diversion of /usr/share/vim/vim74/doc/tags to /usr/share/vim/vim74/doc/tags.vim-tiny by vim-runtime'
Unpacking vim-runtime (2:7.4.1689-3ubuntu1.2) ...
Selecting previously unselected package vim.
Preparing to unpack .../vim_2%3a7.4.1689-3ubuntu1.2_amd64.deb ...
Unpacking vim (2:7.4.1689-3ubuntu1.2) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up vim-runtime (2:7.4.1689-3ubuntu1.2) ...
Setting up vim (2:7.4.1689-3ubuntu1.2) ...
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vim (vim) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vimdiff (vimdiff) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rvim (rvim) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rvtview (rview) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vi (vi) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/view (view) in auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/ex (ex) in auto mode
```

01 Ubuntu 의 기본 명령어

```
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/ex (ex) in auto mode
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ vi print_message.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ ls
print_message.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ cat print_message.c
#include <stdio.h>

int main(void)
{
    printf('Hello Embedded Class\n');
    return
}

//http://cafe.naver.com/hestit/650
//http://cafe.naver.com/hestit/649
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ vi print_message.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ ls
print_message.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ gcc print_message.c
print_message.c:1:20: fatal error: studio.h: No such file or directory
compilation terminated.
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ sudo apt-get install build-essential
[sudo] password for alswnqodrl:
Reading package lists... Done
Building dependency tree
Reading state information... Done
build-essential is already the newest version (12.1ubuntu2).
0 upgraded, 0 newly installed, 0 to remove and 346 not upgraded.
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ gcc print_message.c
print_message.c:1:20: fatal error: studio.h: No such file or directory
compilation terminated.
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ sudo apt-get install build-essential
Reading package lists... Done
Building dependency tree
Reading state information... Done
build-essential is already the newest version (12.1ubuntu2).
0 upgraded, 0 newly installed, 0 to remove and 346 not upgraded.
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ vi print_message.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ gcc print_message.c
print_message.c:5:9: warning: character constant too long for its type
    printf('Hello Embedded Class\n');

print_message.c:5:9: warning: passing argument 1 of 'printf' makes pointer from integer without a cast [-Wint-conversion]
In file included from print_message.c:1:0:
/usr/include/studio.h:362:12: note: expected 'const char * restrict' but argument is of type 'int'
extern int printf (const char * __restrict __format, ...);

print_message.c:5:2: warning: format not a string literal and no format arguments [-Wformat-security]
    printf('Hello Embedded Class\n');

print_message.c:7:1: error: expected expression before ')' token
}
^
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ vi print_message.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ gcc print_message.c
print_message.c: In function 'main':
print_message.c:7:1: error: expected expression before ')' token
}
^
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ vi print_message.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ gcc print_message.c
```

01 Ubuntu 의 기본 명령어

```
alswnqodrl@alswnqodrl-Z20NH-AS51B1U: ~/lecture/c
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ gcc print_message.c
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ ls
a.out print_message.c
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ sudo apt-get install build-essential
Reading package lists... Done
Building dependency tree
Reading state information... Done
build-essential is already the newest version (12.1ubuntu2).
0 upgraded, 0 newly installed, 0 to remove and 346 not upgraded.
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ gcc print_message.c
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ ls
a.out print_message.c
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ ^C
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ ls
a.out print_message.c
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ vi print_message.c
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ ./a.out
Hello Embedded Class
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ cat print_message.c
#include <stdio.h>

int main(void)
{
    printf("Hello Embedded Class\n");
    return 0;
}

//http://cafe.naver.com/hestit/650
//http://cafe.naver.com/hestit/649
/*
*this is test program
*let's do it!
*/
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ gcc -o print_msg print_message.c
No command 'gcc-o' found, did you mean:
Command 'gcgc' from package 'gcgc' (main)
Command 'gcc-6' from package 'gccgo-6' (main)
Command 'gcc-5' from package 'gcc-5' (main)
Command 'gcc-5' from package 'hardening-wrapper' (universe)
gcc-o: command not found
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ gcc -o print_msg print_message.c
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ ls
a.out print_message.c print_msg
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ gcc -g -o print_msg print_message.c
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ ls
a.out print_message.c print_msg
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ sudo apt-get install git
[sudo] password for alswnqodrl:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk
  gitweb git-arch git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 346 not upgraded.
Need to get 3,857 kB of archives.
After this operation, 25.6 MB of additional disk space will be used.
```

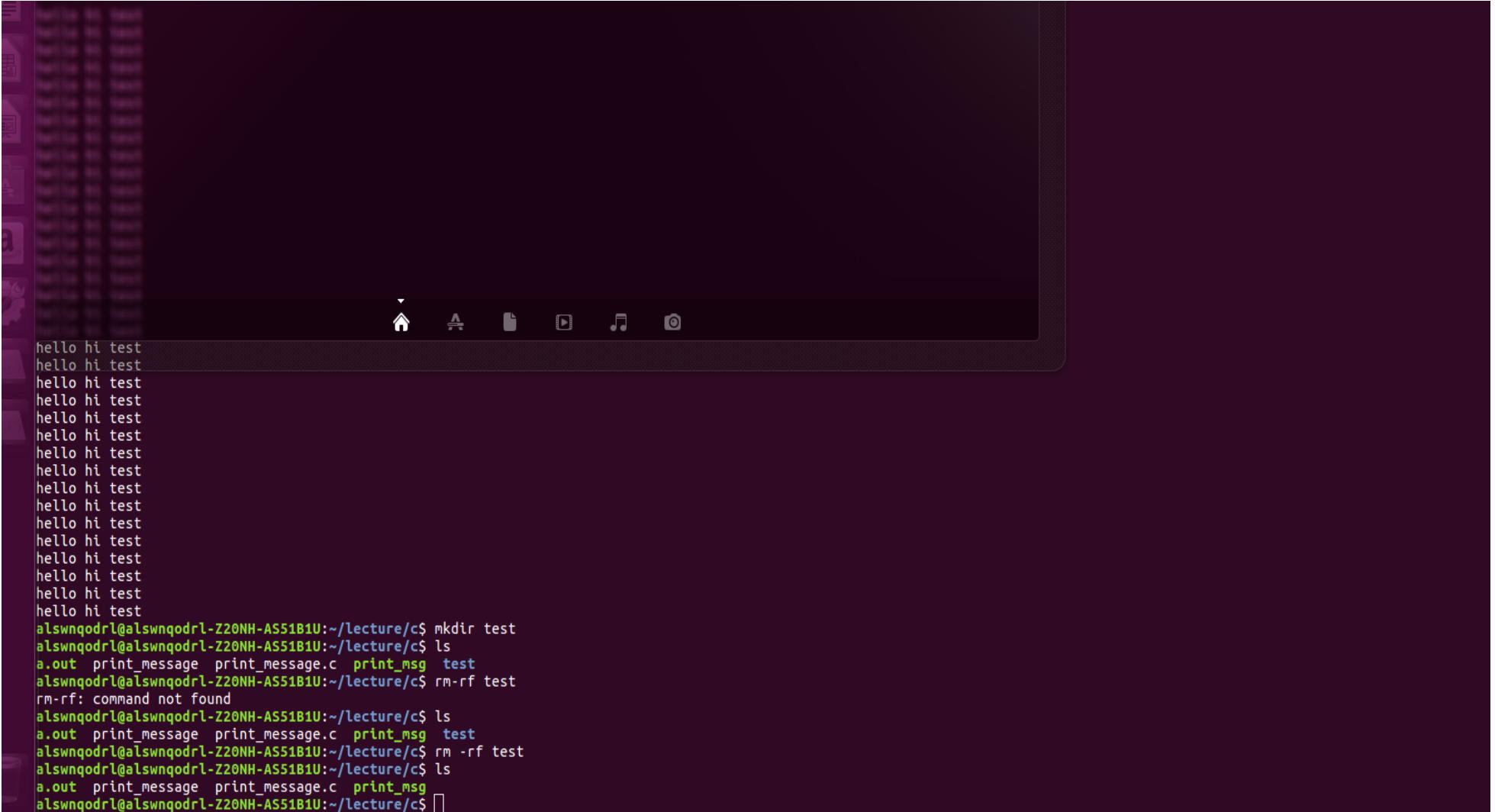
01 Ubuntu 의 기본 명령어

```
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c
    printf("Hello Embedded Class\n");
    return 0;
}

//http://cafe.naver.com/hestit/650
//http://cafe.naver.com/hestit/649
/*
*this is test program
*let's do it!
*/

alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ gcc -o print_msg print_message.c
No command 'gcc-o' found, did you mean:
  Command 'gccgo' from package 'gccgo' (main)
  Command 'gcc-6' from package 'gccgo-6' (main)
  Command 'gcc-5' from package 'gcc-5' (main)
  Command 'gcc-5' from package 'hardening-wrapper' (universe)
gcc-o: command not found
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ ls
a.out print_message.c print_msg
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ gcc -g -o print_msg print_message.c
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ ls
a.out print_message.c print_msg
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$ sudo apt-get install git
[sudo] password for alswnqodrl:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk
  gitweb git-arch git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 346 not upgraded.
Need to get 3,857 kB of archives.
After this operation, 25.6 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://kr.archive.ubuntu.com/ubuntu xenial/main amd64 liberror-perl all 0.17-1.2 [19.6 kB]
Get:2 http://kr.archive.ubuntu.com/ubuntu xenial-updates/main amd64 git-man all 1:2.7.4-0ubuntu1.3 [736 kB]
Get:3 http://kr.archive.ubuntu.com/ubuntu xenial-updates/main amd64 git amd64 1:2.7.4-0ubuntu1.3 [3,102 kB]
52% [3 git 1,119 kB/3,102 kB 36%]
Get:3 http://kr.archive.ubuntu.com/ubuntu xenial-updates/main amd64 git amd64 1:2.7.4-0ubuntu1.3 [3,102 kB]
Fetched 2,738 kB in 5min 20s (8,539 B/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 177910 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17-1.2_all.deb ...
Unpacking liberror-perl (0.17-1.2) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.7.4-0ubuntu1.3_all.deb ...
Unpacking git-man (1:2.7.4-0ubuntu1.3) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.7.4-0ubuntu1.3_amd64.deb ...
Unpacking git (1:2.7.4-0ubuntu1.3) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up liberror-perl (0.17-1.2) ...
Setting up git-man (1:2.7.4-0ubuntu1.3) ...
Setting up git (1:2.7.4-0ubuntu1.3) ...
alswnqodrl@alswnqodrl-Z20NH-AS51B1U:~/lecture/c$
```

01 Ubuntu 의 기본 명령어



```
hello hi test
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$ mkdir test
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$ ls
a.out print_message print_message.c print_msg test
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$ rm -rf test
rm-rf: command not found
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$ ls
a.out print_message print_message.c print_msg test
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$ rm -rf test
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$ ls
a.out print_message print_message.c print_msg
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$ 
```

02 Ubuntu 의 코딩

명령모드에서 입력

d 커서 밑으로 지우고 싶은 줄 숫자 d

yy

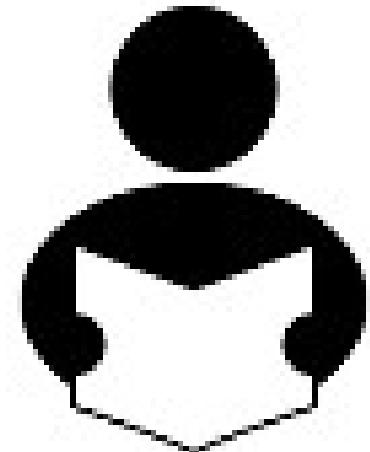
y 커서 밑으로 복사하고 싶은 줄 숫자 y

U

R

P

:%S/ 바꿀내용 / 바꾸고 싶은 내용 /g



02 Ubuntu 의 코딩

명령모드에서 입력

:set nu

/ 찾고자 하는 내용 enter 후 n 또는 N

:set hlsearch

:\$

: 커서를 이동하고 싶은 줄의 숫자

Ctrl+F

Ctrl+B

:%S/ 바꿀내용 / 바꾸고 싶은 내용 /g



02 Ubuntu 의 코딩

편집모드에서 입력

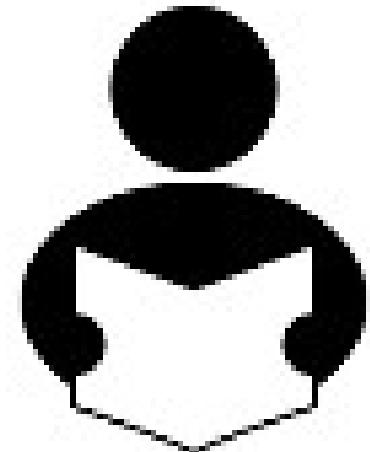
:wq

주석 (메모) /* 내용 */

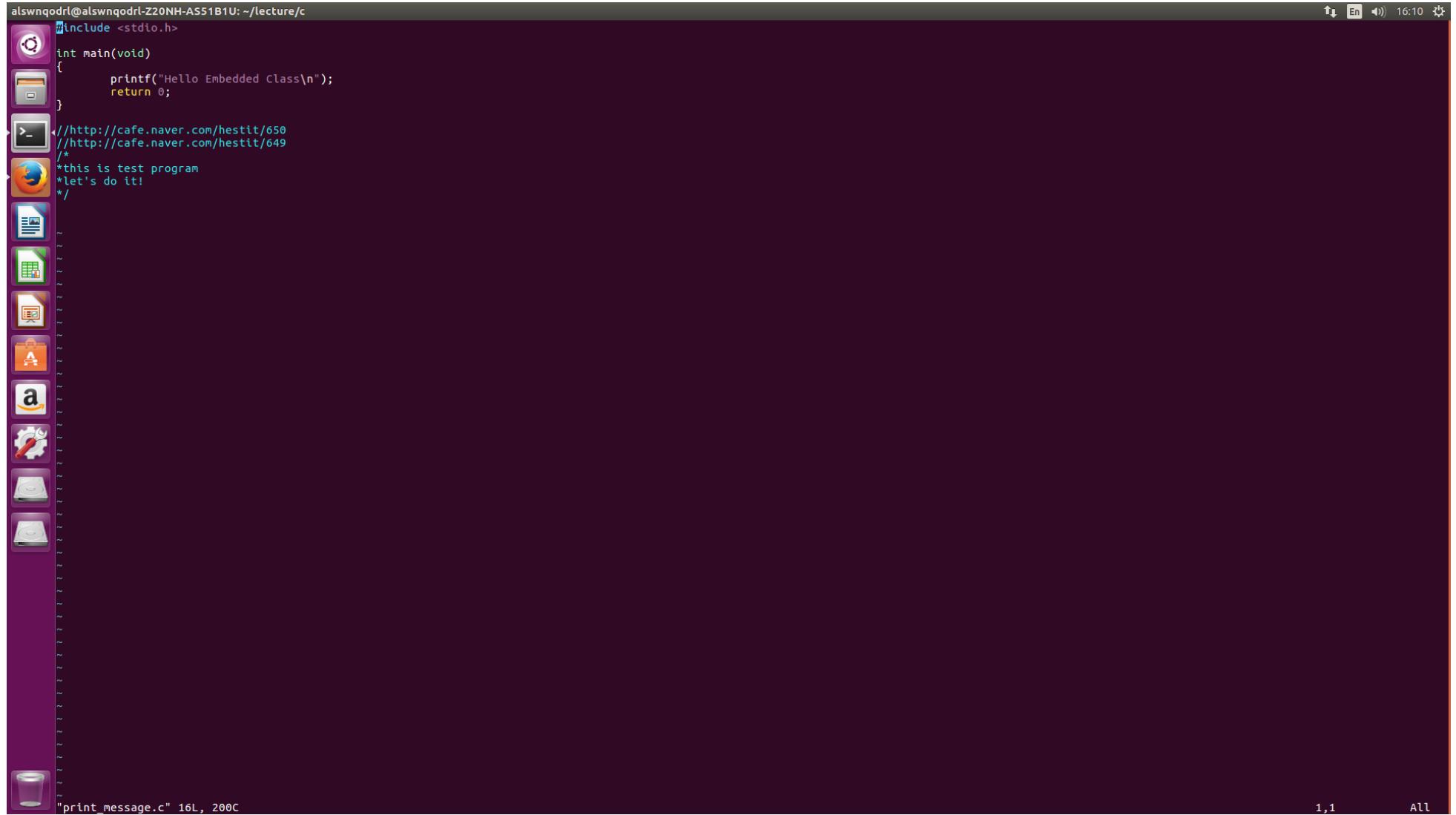
명령모드 -> 편집모드 : A, a, I, I

편집모드 -> 명령모드 : Esc

Cf) 컴파일 시 ls 로 확인하면 a.~ 로 출력



02 Ubuntu 의 코딩



A screenshot of an Ubuntu desktop environment. On the left, there is a vertical dock with various application icons. The main area shows a terminal window with the following content:

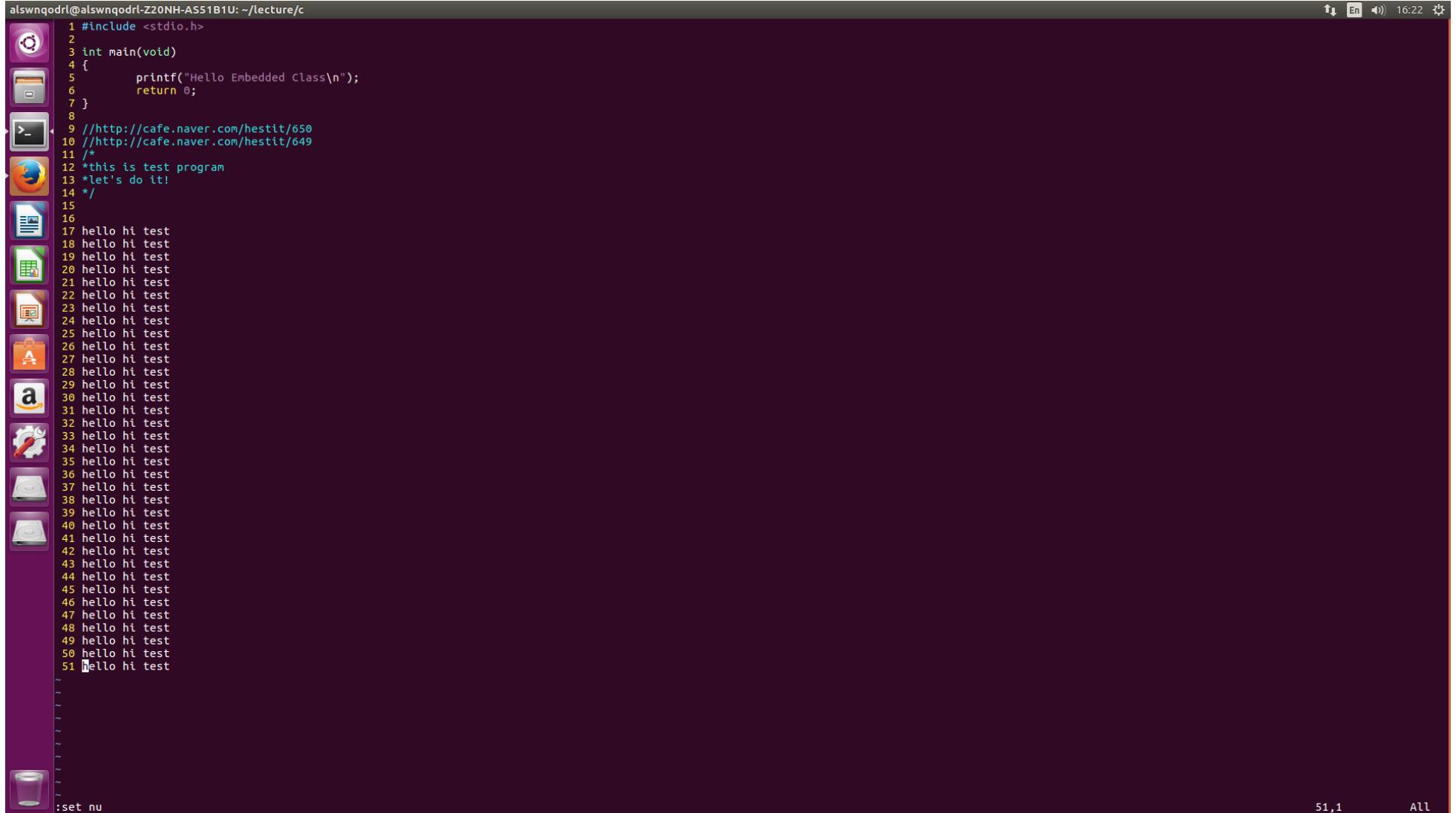
```
alswnqodrl@alswnqodrl-Z20NH-AS51B1U: ~/lecture/c
#include <stdio.h>
int main(void)
{
    printf("Hello Embedded Class\n");
    return 0;
}
/*http://cafe.naver.com/hestit/650
/*http://cafe.naver.com/hestit/649
/*
*this is test program
*let's do it!
*/
~
~
~
```

The terminal window shows the path `~/lecture/c`. At the bottom right of the terminal window, there is a status bar with the text "print_message.c" 16L, 200C, 1,1, and All.

02 Ubuntu 의 코딩

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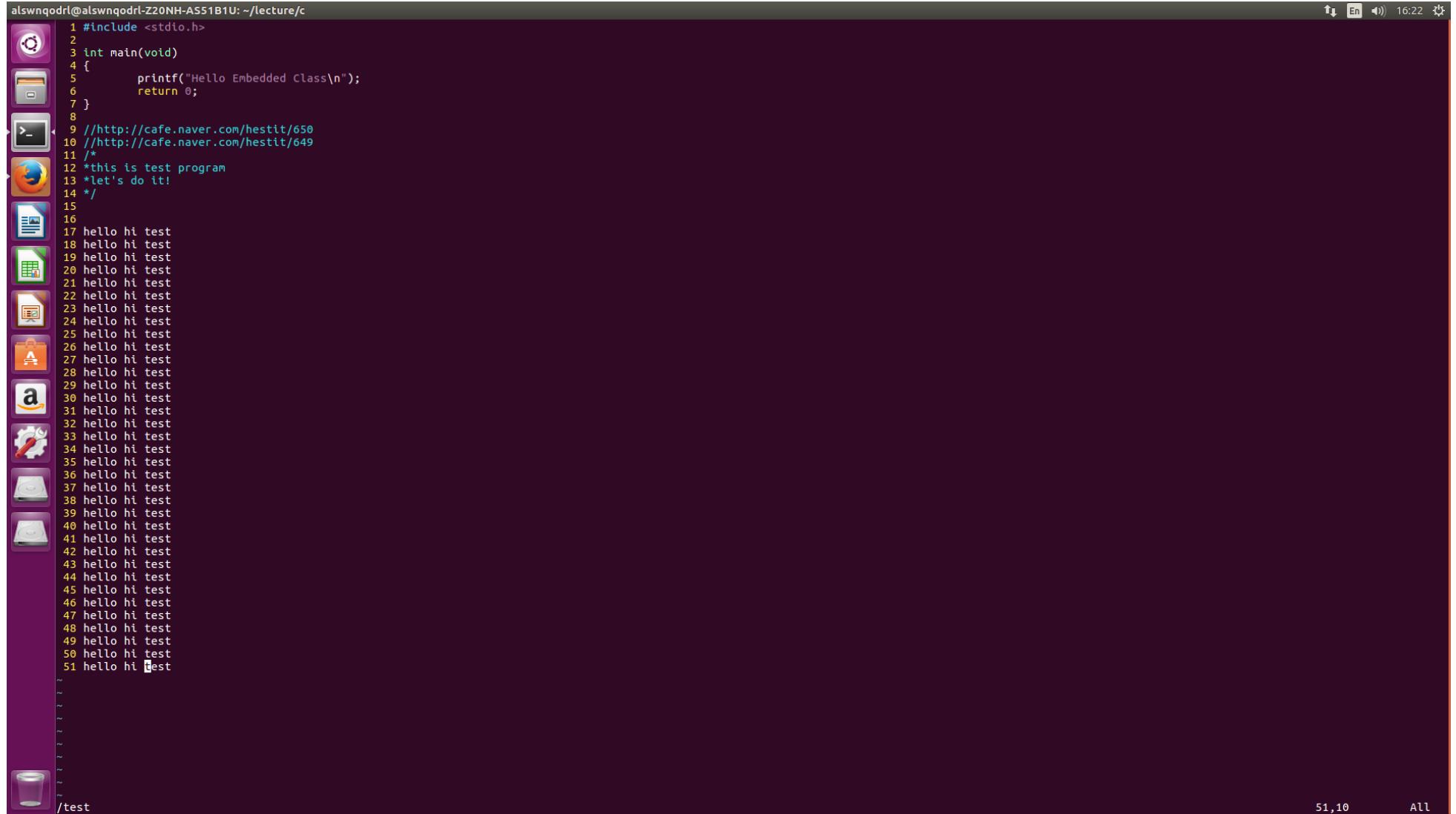


The image shows a screenshot of an Ubuntu desktop environment. On the left, there is a dock with various application icons. The main area features a terminal window with the following content:

```
alswnqodrl@alswnqodrl-Z20NH-AS51B1U: ~/lecture/c
1 #include <stdio.h>
2
3 int main(void)
4 {
5     printf("Hello Embedded Class\n");
6     return 0;
7 }
8
9 //http://cafe.naver.com/hestit/650
10 //http://cafe.naver.com/hestit/649
11 /*
12 *this is test program
13 *let's do it!
14 */
15
16
17 hello hi test
18 hello hi test
19 hello hi test
20 hello hi test
21 hello hi test
22 hello hi test
23 hello hi test
24 hello hi test
25 hello hi test
26 hello hi test
27 hello hi test
28 hello hi test
29 hello hi test
30 hello hi test
31 hello hi test
32 hello hi test
33 hello hi test
34 hello hi test
35 hello hi test
36 hello hi test
37 hello hi test
38 hello hi test
39 hello hi test
40 hello hi test
41 hello hi test
42 hello hi test
43 hello hi test
44 hello hi test
45 hello hi test
46 hello hi test
47 hello hi test
48 hello hi test
49 hello hi test
50 hello hi test
51 hello hi test
~
```

The terminal window also shows the command `:set nu` at the bottom. The status bar at the top right indicates the date and time as 16:22.

02 Ubuntu 의 코딩



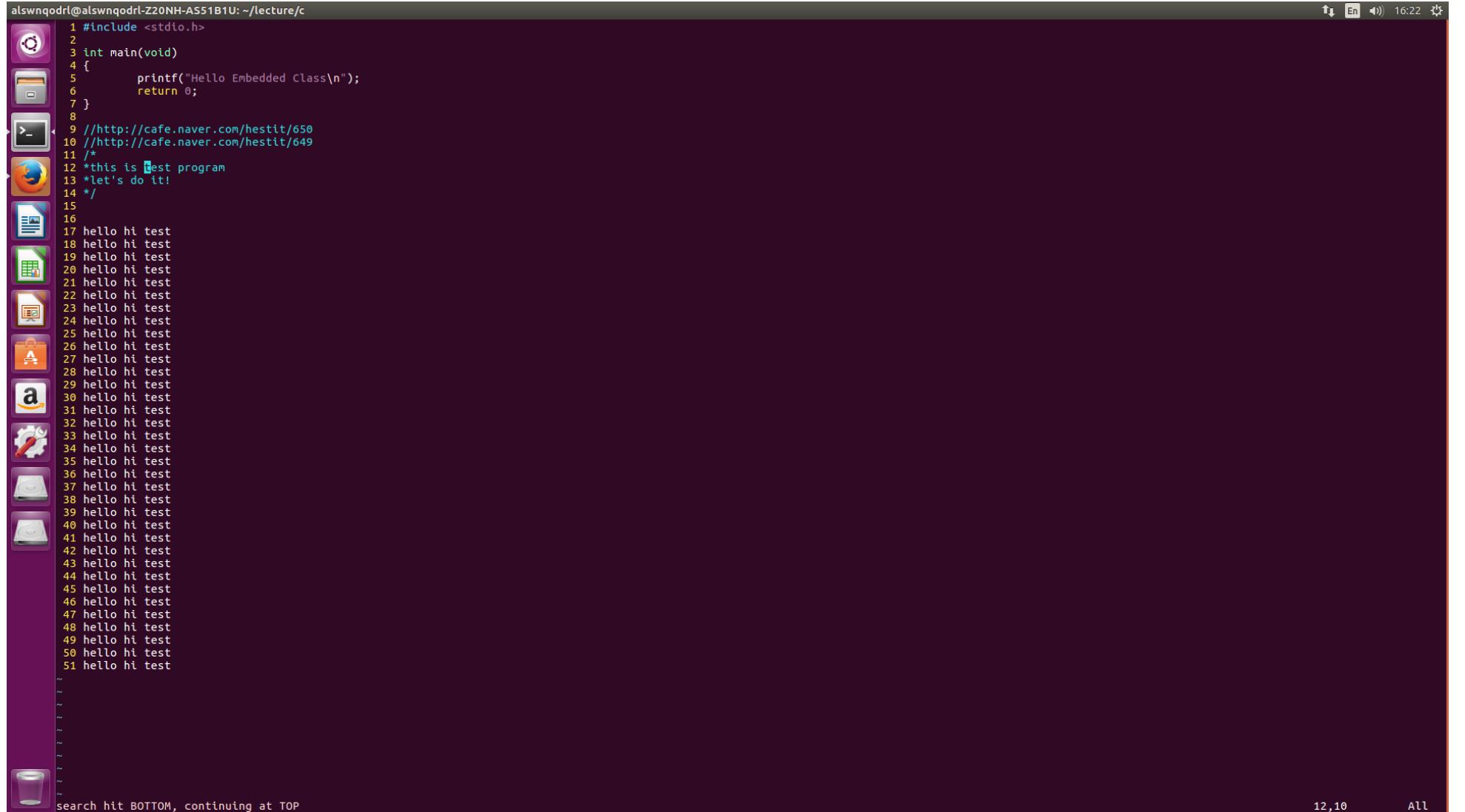
alswnqodrl@alswnqodrl-Z20NH-AS51B1U: ~/lecture/c

```
1 #include <stdio.h>
2
3 int main(void)
4 {
5     printf("Hello Embedded Class\n");
6     return 0;
7 }
8
9 //http://cafe.naver.com/hestit/650
10 //http://cafe.naver.com/hestit/649
11 /*
12 *this is test program
13 *let's do it!
14 */
15
16
17 hello hi test
18 hello hi test
19 hello hi test
20 hello hi test
21 hello hi test
22 hello hi test
23 hello hi test
24 hello hi test
25 hello hi test
26 hello hi test
27 hello hi test
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39 hello hi test
40 hello hi test
41 hello hi test
42 hello hi test
43 hello hi test
44 hello hi test
45 hello hi test
46 hello hi test
47 hello hi test
48 hello hi test
49 hello hi test
50 hello hi test
51 hello hi test
~
```

/test

51,10 All

02 Ubuntu 의 코딩



alswnqodrl@alswnqodrl-Z20NH-AS51B1U: ~/lecture/c

```
1 #include <stdio.h>
2
3 int main(void)
4 {
5     printf("Hello Embedded Class\n");
6     return 0;
7 }
8
9 //http://cafe.naver.com/hestit/650
10 //http://cafe.naver.com/hestit/649
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46 hello hi test
47 hello hi test
48 hello hi test
49 hello hi test
50 hello hi test
51 hello hi test
~
~
```

search hit BOTTOM, continuing at TOP

12,10 All

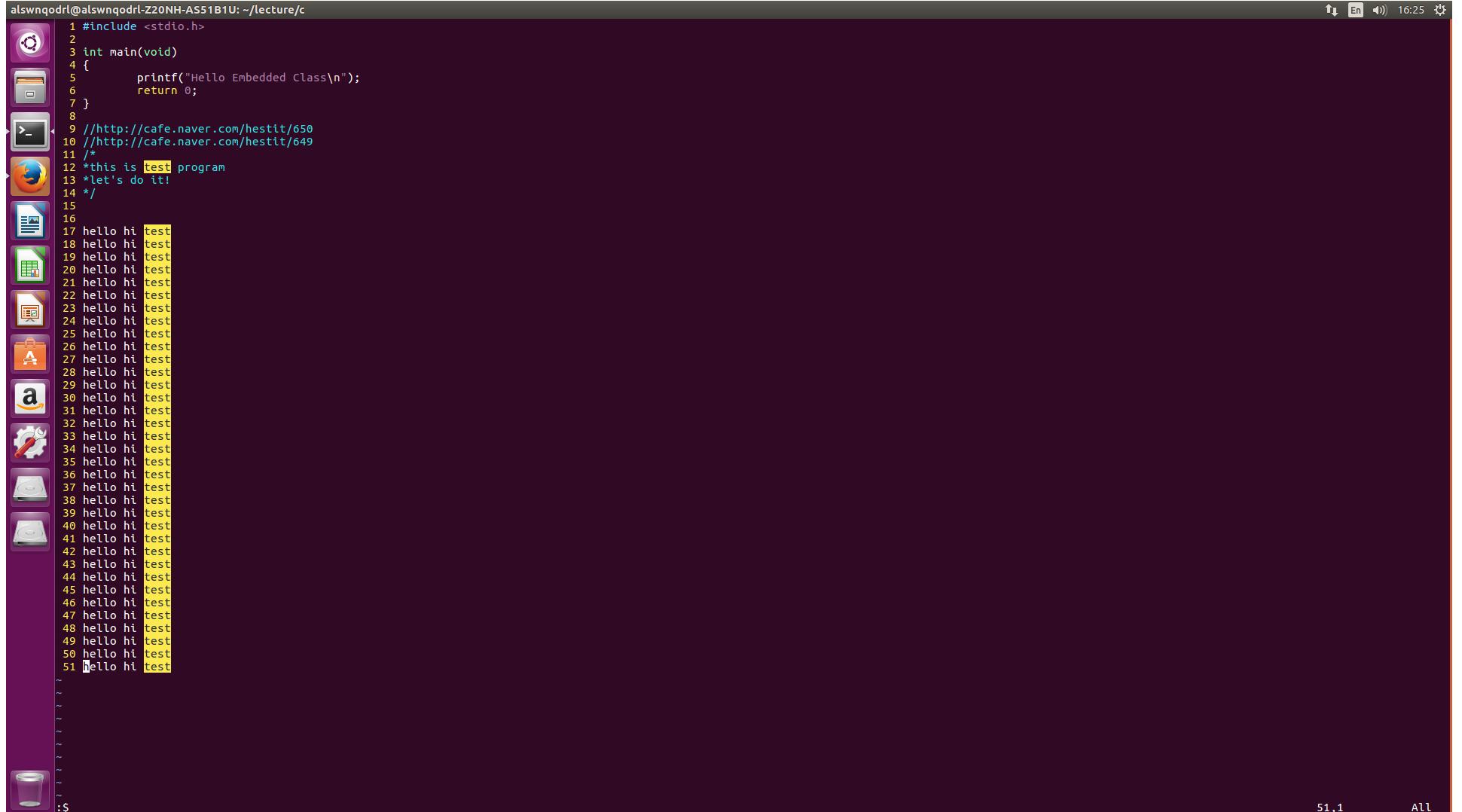
02 Ubuntu 의 코딩

alswnqodrl@alswnqodrl-Z20NH-AS51B1U: ~/lecture/c

```
1 #include <stdio.h>
2
3 int main(void)
4 {
5     printf("Hello Embedded Class\n");
6     return 0;
7 }
8
9 //http://cafe.naver.com/hestit/650
10 //http://cafe.naver.com/hestit/649
11 /*
12 *this is test program
13 *let's do it!
14 */
15
16
17 hello hi test
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46 hello hi test
47 hello hi test
48 hello hi test
49 hello hi test
50 hello hi test
51 hello hi test
~
```

:set hlsearch

02 Ubuntu 의 코딩

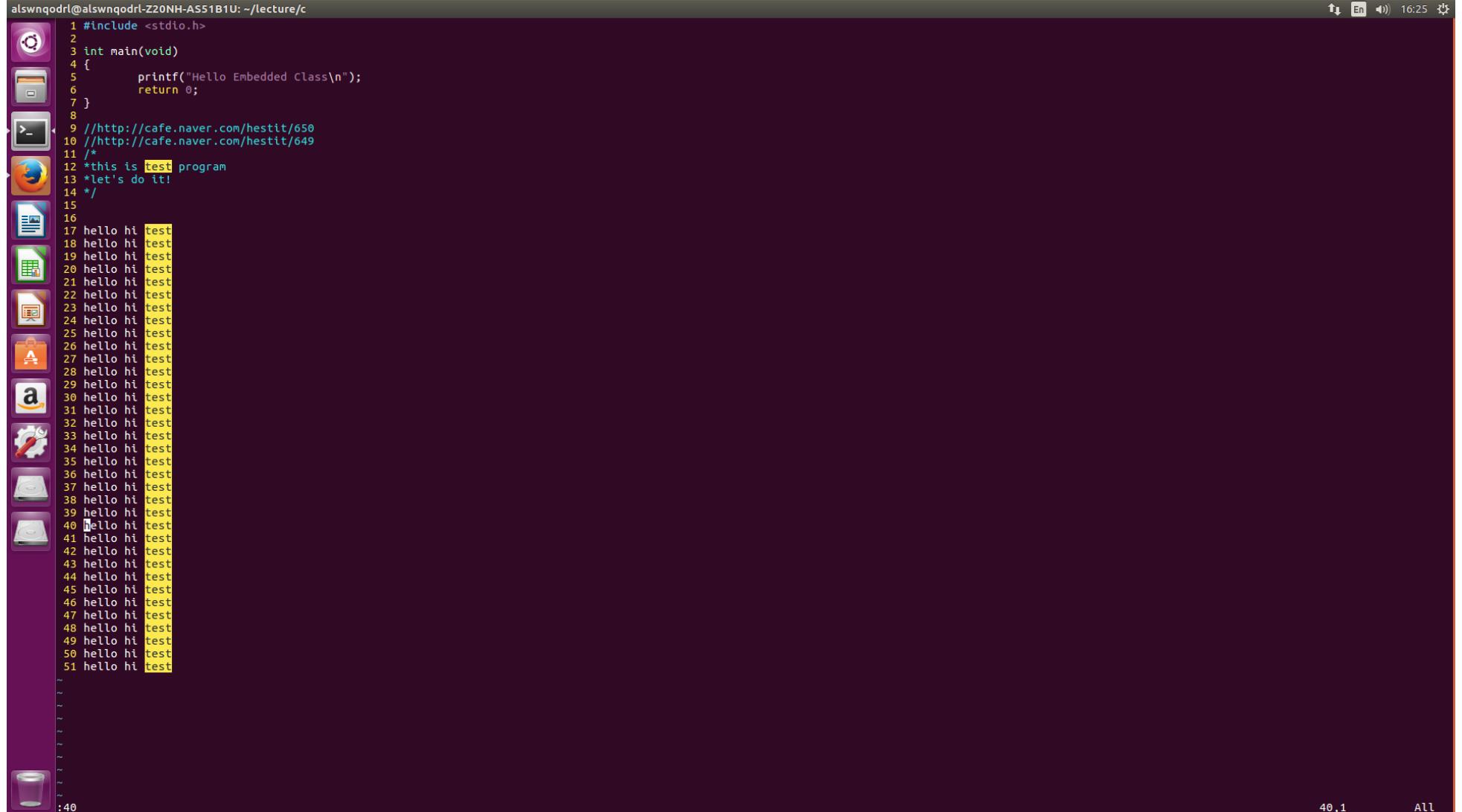


The image shows a screenshot of an Ubuntu desktop environment. A terminal window is open in the foreground, displaying a C program. The code includes comments about a 'Hello Embedded Class' and a test program. The terminal window has a dark background and light-colored text. The desktop background is also dark, and various icons are visible in the dock at the bottom.

```
alswnqodrl@alswnqodrl-Z20NH-AS51B1U: ~/lecture/c
1 #include <stdio.h>
2
3 int main(void)
4 {
5     printf("Hello Embedded Class\n");
6     return 0;
7 }
8
9 //http://cafe.naver.com/hestit/650
10 //http://cafe.naver.com/hestit/649
11 /*
12 *this is test program
13 *let's do it!
14 */
15
16
17 hello hi test
18 hello hi test
19 hello hi test
20 hello hi test
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22 hello hi test
23 hello hi test
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38 hello hi test
39 hello hi test
40 hello hi test
41 hello hi test
42 hello hi test
43 hello hi test
44 hello hi test
45 hello hi test
46 hello hi test
47 hello hi test
48 hello hi test
49 hello hi test
50 hello hi test
51 hello hi test
~
~
```

51,1 All

02 Ubuntu 의 코딩



```
alswnqodrl@alswnqodrl-Z20NH-AS51B1U: ~/lecture/c
1 #include <stdio.h>
2
3 int main(void)
4 {
5     printf("Hello Embedded Class\n");
6     return 0;
7 }
8
9 //http://cafe.naver.com/hestit/650
10 //http://cafe.naver.com/hestit/649
11 /*
12 *this is test program
13 *let's do it!
14 */
15
16
17 hello hi test
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38 hello hi test
39 hello hi test
40 Hello hi test
41 hello hi test
42 hello hi test
43 hello hi test
44 hello hi test
45 hello hi test
46 hello hi test
47 hello hi test
48 hello hi test
49 hello hi test
50 hello hi test
51 hello hi test
~
```

:40 40,1 All

02 Ubuntu 의 코딩

The screenshot shows a terminal window on an Ubuntu desktop. The terminal has a dark purple background and white text. The command `51 hello hi test` is typed into the terminal. The terminal window is located at the top of the screen, above a dock with various application icons. The desktop background is also dark purple.

```
alswnqodrl@alswnqodrl-Z20NH-AS51B1U: ~/lecture/c
51 hello hi test
~
~
~
```

Terminal status bar:

- 51,1
- Bot

02 Ubuntu 의 코딩

```
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c
```

```
Processing triggers for man-db (2.7.5-1) ...
Setting up liberror-perl (0.17-1.2) ...
Setting up git-man (1:2.7.4-0ubuntu1.3) ...
Setting up git (1:2.7.4-0ubuntu1.3) ...
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$ vi print_message.c
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$ vi print_message.c
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$ vi print_message.c
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$ cat print_message.c
cat: print_message.c: No such file or directory
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$ cat print_message.c
```

```
#include <stdio.h>

int main(void)
{
    printf("Hello Embedded Class\n");
    return 0;
}

//http://cafe.naver.com/hestit/650
//http://cafe.naver.com/hestit/649
/*
 *this is test program
 *let's do it!
 */


```

```
hello hi test
```

```
↑ ↓ En 🔍 16:27
```

```
alswnqodrl@alswnqodrl-ZZ0NH-ASS1B1U:~/lecture/c$
```

02 Ubuntu 의 코딩

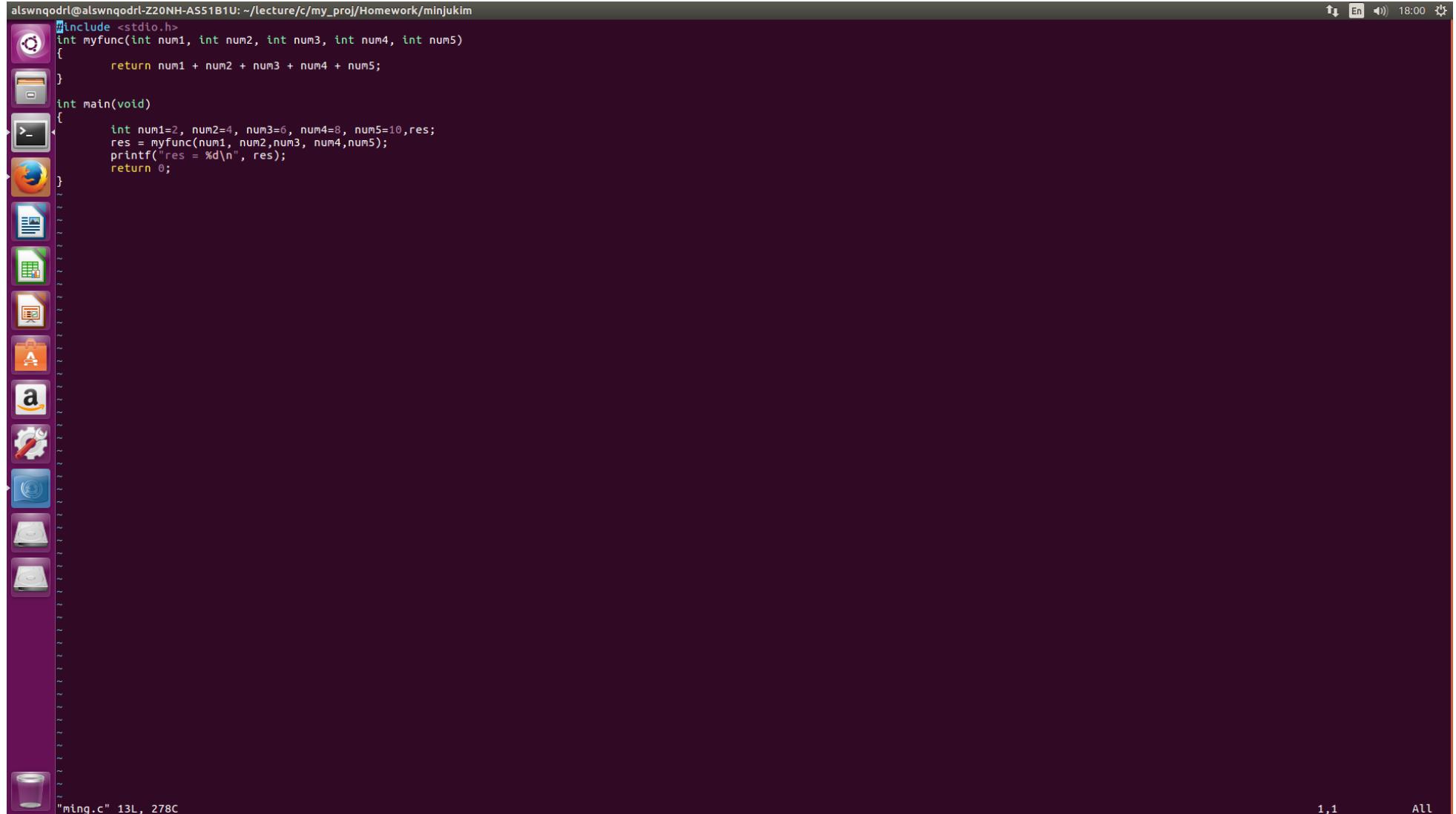
```
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ vi print_min.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ gcc print_min.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ ./a.out
num1 = 3, num2 =7, num3 = 7.700000, num4 = 3.300000/nalswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ ls
a.out print_message print_message.c print_min.c print_msg print_str.c test
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ min.c
min.c: command not found
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ mkdir min
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ mkdir my_proj
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c$ cd my_proj
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj$ git clone
You must specify a repository to clone.

usage: git clone [<options>] [--] <repo> [<dir>]

-v, --verbose      be more verbose
-q, --quiet        be more quiet
--progress        force progress reporting
-n, --no-checkout don't create a checkout
--bare            create a bare repository
--mirror          create a mirror repository (implies bare)
-l, --local        to clone from a local repository
--no-hardlinks    don't use local hardlinks, always copy
-s, --shared       setup as shared repository
--recursive       initialize submodules in the clone
--recurse-submodules initialize submodules in the clone
--template <template-directory>
                  directory from which templates will be used
--reference <repo> reference repository
--dissociate      use --reference only while cloning
-o, --origin <name> use <name> instead of 'origin' to track upstream
-b, --branch <branch>
                  checkout <branch> instead of the remote's HEAD
-u, --upload-pack <path>
                  path to git-upload-pack on the remote
--depth <depth>   create a shallow clone of that depth
--single-branch   clone only one branch, HEAD or --branch
--separate-git-dir <gitdir>
                  separate git dir from working tree
-c, --config <key=value>
                  set config inside the new repository

alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj$ git clone https://github.com/SHL-Education/Homework.git
Cloning into 'Homework'...
remote: Counting objects: 148, done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 148 (delta 0), reused 5 (delta 0), pack-reused 142
Receiving objects: 100% (148/148), 362.03 KiB | 125.00 KiB/s, done.
Resolving deltas: 100% (45/45), done.
Checking connectivity... done.
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj$ ls
Homework
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj$ cd homework
bash: cd: homework: No such file or directory
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj$ cd Homework
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework$ ls
daesungchot_hannanoon hyungyunkim jaejeonseo jtyoonwan minchulshin minjukim sanghoonlee sangyongjung soojeonghwang sungyongha wooseeklee yoosunglee
hanbyuljung hyungjuktm hyunkyunghong jihheemoon LICENSE minhoktm README.nd sangjaeahn siyunkim sunghwanjang taeyoungun yeonsungyoon yukoyoungchung
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework$ cd minjukim
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ ls
prepare_print_message.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$
```

02 Ubuntu 의 코딩



alswnqodrl@alswnqodrl-Z20NH-AS51B1U: ~/lecture/c/my_proj/Homework/minjukim

```
#include <stdio.h>
int myfunc(int num1, int num2, int num3, int num4, int num5)
{
    return num1 + num2 + num3 + num4 + num5;
}

int main(void)
{
    int num1=2, num2=4, num3=6, num4=8, num5=10,res;
    res = myfunc(num1, num2,num3, num4,num5);
    printf("res = %d\n", res);
    return 0;
}
```

"ming.c" 13L, 278C

1,1 All

02 Ubuntu 의 코딩

```
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ vi function_one.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ gcc function_one.c
function_one.c: In function 'main':
function_one.c:13:15: error: redefinition of 'num'
  int num = 3, num = 6;
               ^
function_one.c:13:6: note: previous definition of 'num' was here
  int num = 3, num = 6;
               ^
function_one.c:16:15: error: 'num1' undeclared (first use in this function)
  res = myfunc(num1, num2);
               ^
function_one.c:16:15: note: each undeclared identifier is reported only once for each function it appears in
function_one.c:16:21: error: 'num2' undeclared (first use in this function)
  res = myfunc(num1, num2);
               ^
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ vi function_one.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ gcc function_one.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ vi function_one.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ vi function_one.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ gcc function_one.c
function_one.c: In function 'main':
function_one.c:45::: error: expected declaration or statement at end of input
}
^
function_one.c:45:1: error: expected declaration or statement at end of input
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ vi function_one.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ gcc function_one.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ vi ming.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ gcc ming.c
ming.c:1:17: fatal error: stdio: No such file or directory
compilation terminated.
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ vi ming.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ vi ming.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ gcc ming.c
ming.c: In function 'main':
ming.c:11:: error: expected ';' before 'printf'
  printf("res = %d\n", res);
               ^
ming.c:12:2: error: 'retrun' undeclared (first use in this function)
  retrun 0;
               ^
ming.c:12:2: note: each undeclared identifier is reported only once for each function it appears in
ming.c:12:9: error: expected ';' before numeric constant
  retrun 0;
               ^
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ vi ming.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ gcc ming.c
ming.c: In function 'main':
ming.c:12:: error: 'retrun' undeclared (first use in this function)
  retrun 0;
               ^
ming.c:12:2: note: each undeclared identifier is reported only once for each function it appears in
ming.c:12:9: error: expected ';' before numeric constant
  retrun 0;
               ^
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ vi ming.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ gcc ming.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ ls
a.out function_one.c ming.c prepare print_message.c
alswnqodrl@alswnqodrl-Z20NH-ASS1B1U:~/lecture/c/my_proj/Homework/minjukim$ ./a.out
res = 30
```

감사합니다.