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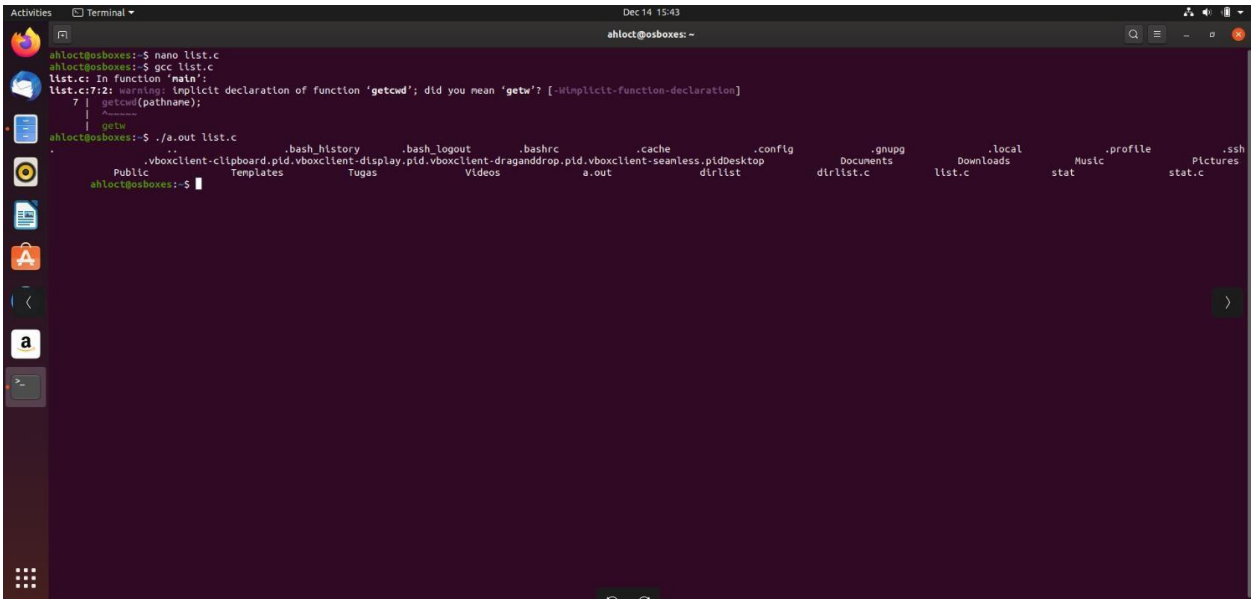
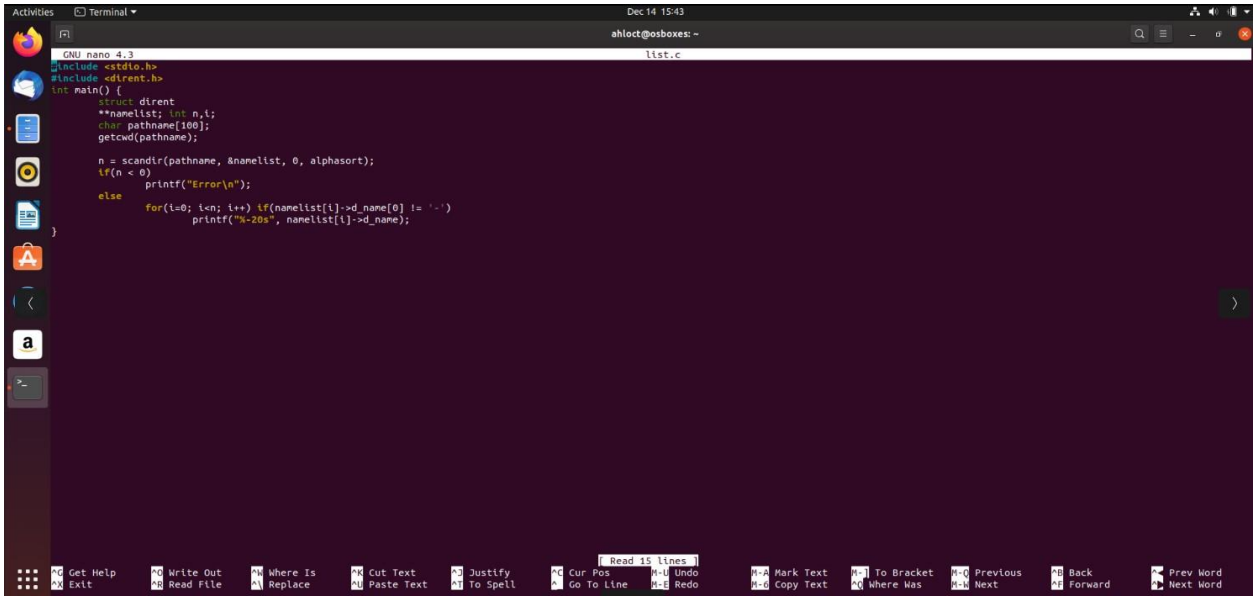
Kelas : D

Praktikum SISTEM OPERASI

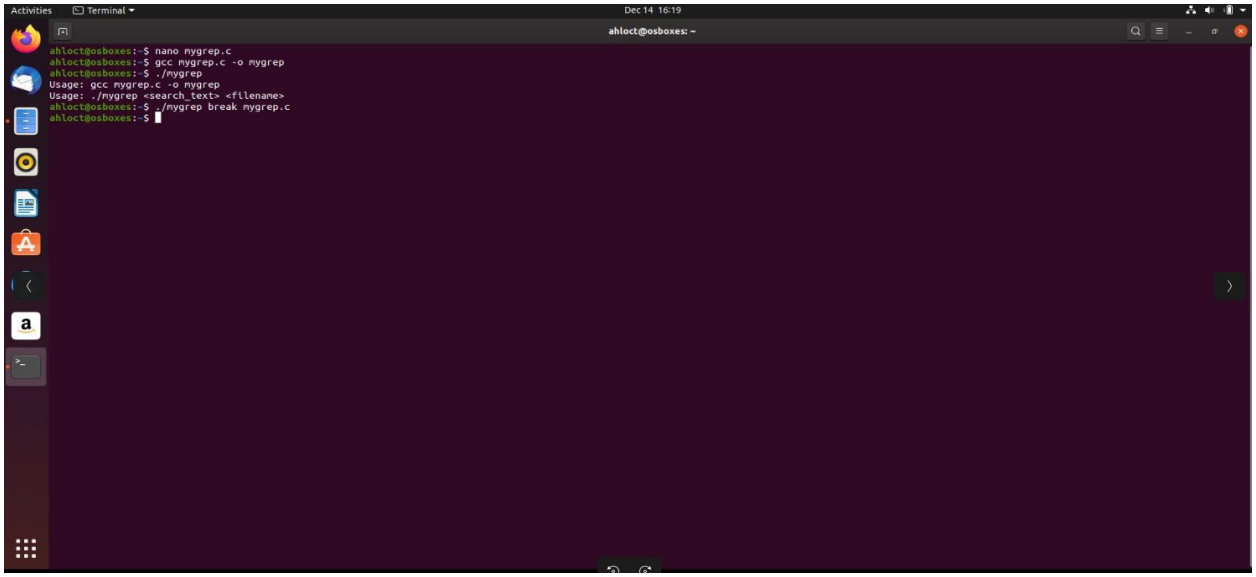
Modul 10 (Simulasi Command)

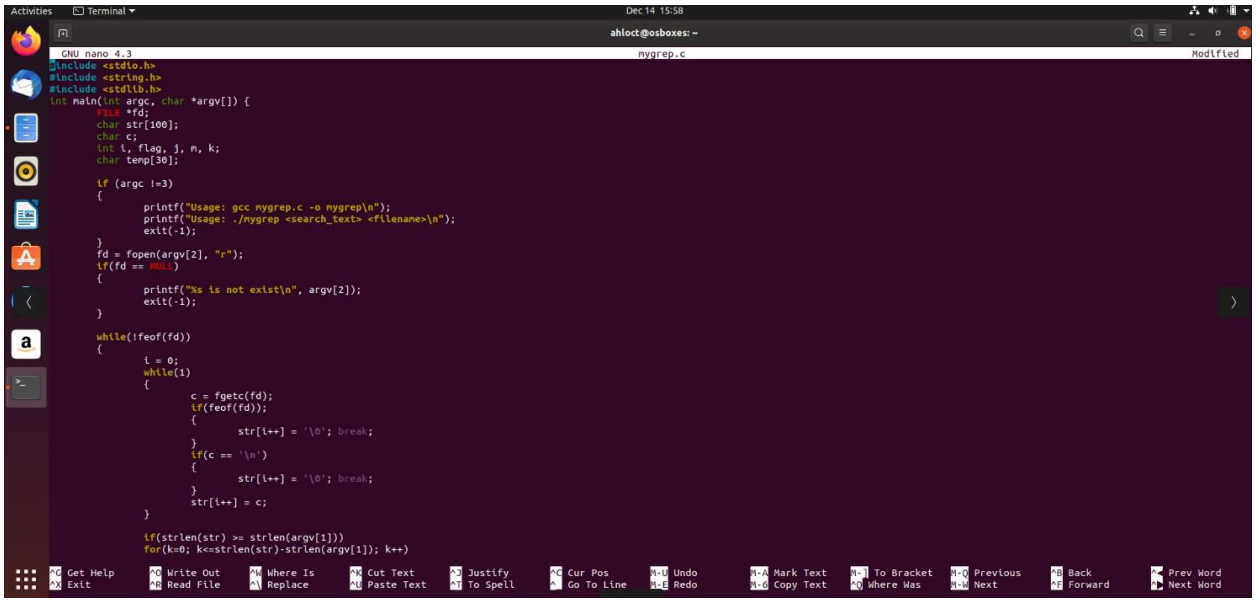
1. List

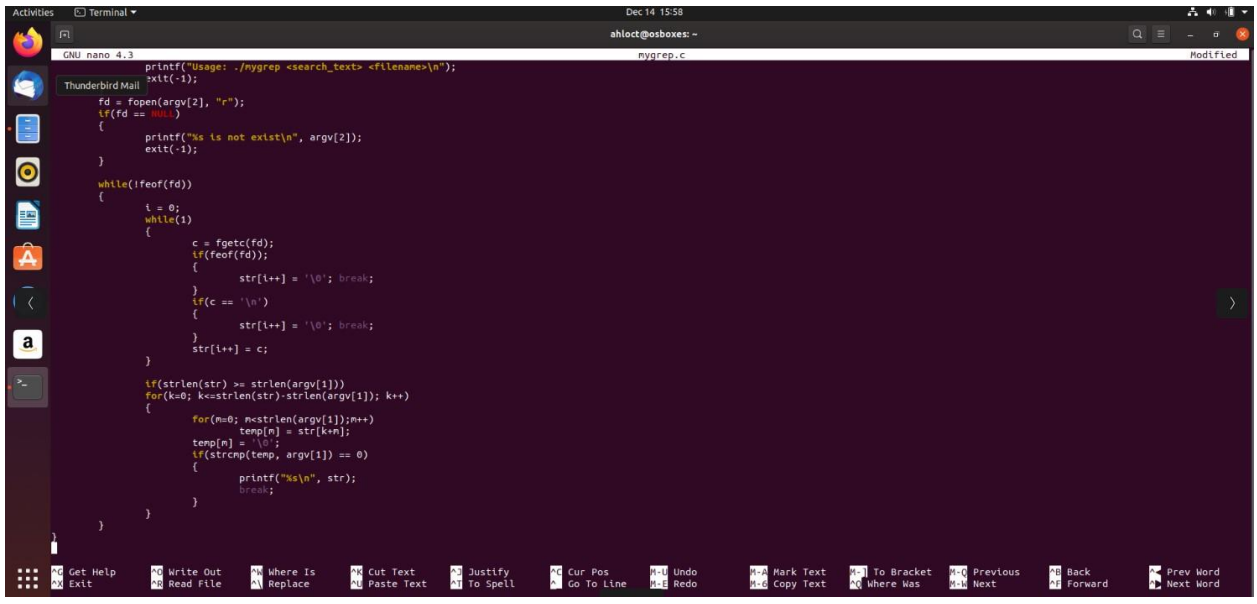




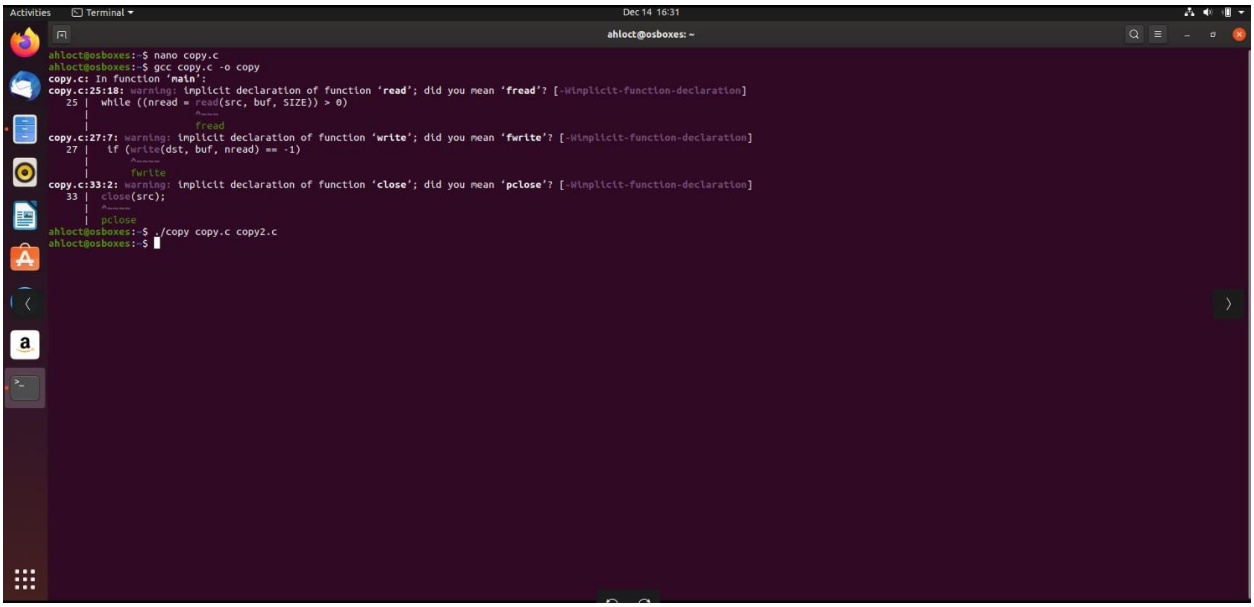
2. Mygrep

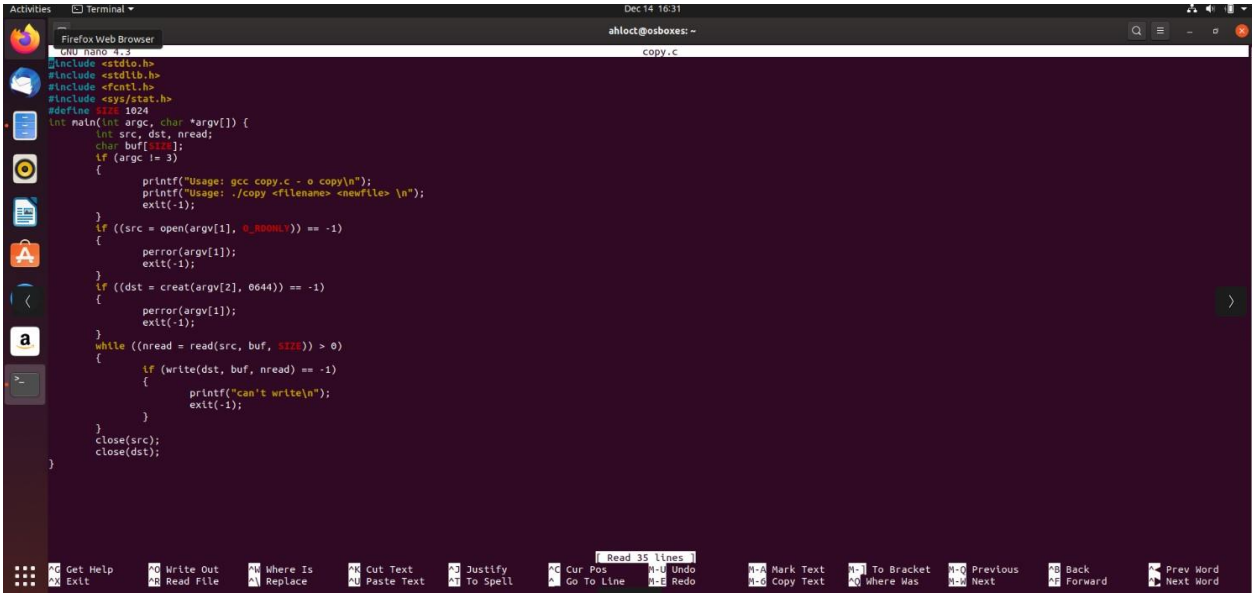

Activities
Terminal
Dec 14 16:19
ahloct@osboxes: ~
ahloct@osboxes:~$ nano mygrep.c
ahloct@osboxes:~$ gcc mygrep.c -o mygrep
ahloct@osboxes:~$ ./mygrep
Usage: gcc mygrep.c -o mygrep
Usage: ./mygrep <search_text> <filename>
ahloct@osboxes:~$ ./mygrep break mygrep.c
ahloct@osboxes:~$


Activities
Terminal
Dec 14 15:58
ahloct@osboxes: ~
GNU nano 4.3
mygrep.c
Modified
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
int main(int argc, char *argv[]) {
FILE *fd;
char str[100];
char c;
int i, flag, j, m, k;
char temp[30];
if (argc !=3)
{
printf("Usage: gcc mygrep.c -o mygrep\n");
printf("Usage: ./mygrep <search_text> <filename>\n");
exit(-1);
}
fd = fopen(argv[2], "r");
if(fd == NULL)
{
printf("%s is not exist\n", argv[2]);
exit(-1);
}
while(!feof(fd))
{
i = 0;
while(1)
{
c = fgetc(fd);
if(feof(fd));
{
str[i++] = '\0'; break;
}
if(c == '\n')
{
str[i++] = '\0'; break;
}
str[i++] = c;
}
if(strlen(str) >= strlen(argv[1]))
for(k=0; k<=strlen(str)-strlen(argv[1]); k++)
^G Get Help
^X Exit
^O Write Out
^R Read File
^W Where Is
^\ Replace
^K Cut Text
^U Paste Text
^J Justify
^T To Spell
^C Cur Pos
^_ Go To Line
M-U Undo
M-E Redo
M-A Mark Text
M-6 Copy Text
^] To Bracket
^Q Where Was
M-Q Previous
M-W Next
^B Back
^F Forward
^ Prev Word
^ Next Word

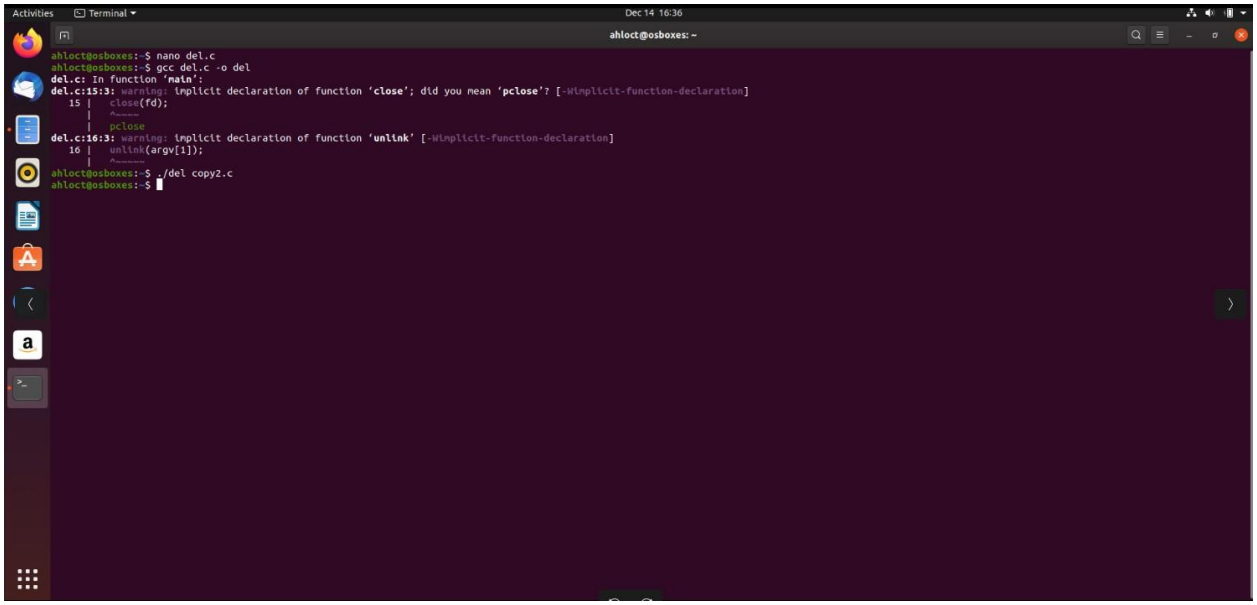

Activities
Terminal
Dec 14 15:58
ahloct@osboxes: ~
GNU nano 4.3
mygrep.c
Modified
printf("Usage: ./mygrep <search_text> <filename>\n");
exit(-1);
Thunderbird Mail
fd = fopen(argv[2], "r");
if(fd == NULL)
{
printf("%s is not exist\n", argv[2]);
exit(-1);
}
while(!feof(fd))
{
i = 0;
while(1)
{
c = fgetc(fd);
if(feof(fd));
{
str[i++] = '\0'; break;
}
if(c == '\n')
{
str[i++] = '\0'; break;
}
str[i++] = c;
}
if(strlen(str) >= strlen(argv[1]))
for(k=0; k<=strlen(str)-strlen(argv[1]); k++)
{
for(m=0; m<strlen(argv[1]);m++)
temp[m] = str[k+m];
temp[m] = '\0';
if(strcmp(temp, argv[1]) == 0)
{
printf("%s\n", str);
break;
}
}
}
}
^G Get Help
^X Exit
^O Write Out
^R Read File
^W Where Is
^\ Replace
^K Cut Text
^U Paste Text
^J Justify
^T To Spell
^C Cur Pos
^_ Go To Line
M-U Undo
M-E Redo
M-A Mark Text
M-6 Copy Text
^] To Bracket
^Q Where Was
M-Q Previous
M-W Next
^B Back
^F Forward
^ Prev Word
^ Next Word

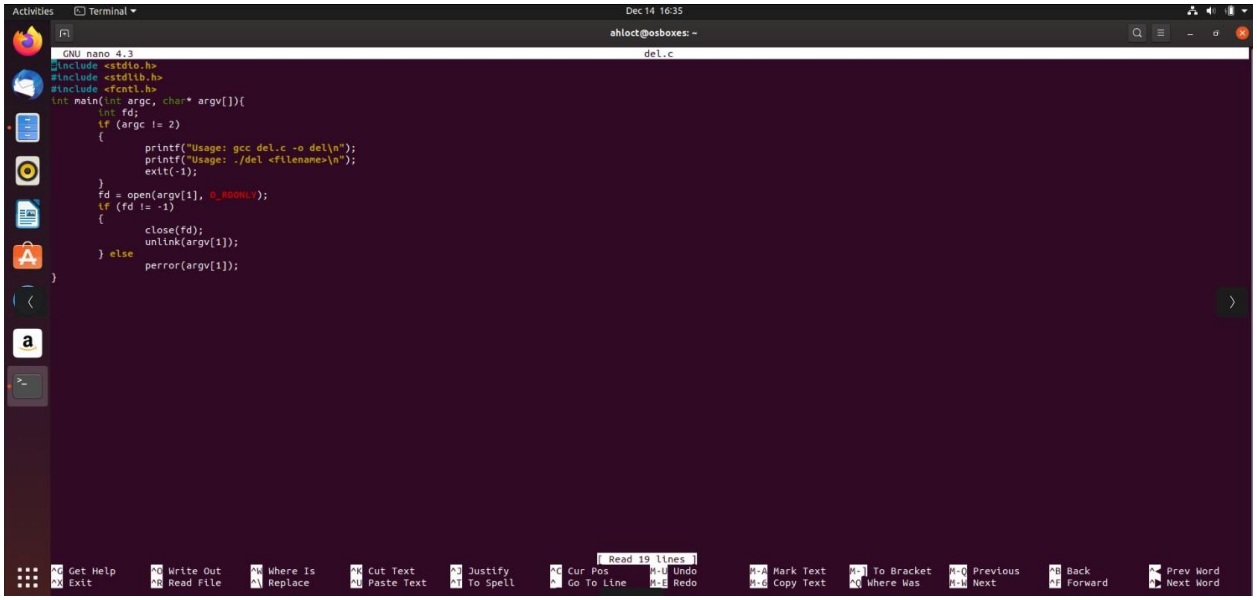
3. Copy


Activities
Terminal
Dec 14 16:31
ahloct@osboxes: ~
ahloct@osboxes:~$ nano copy.c
ahloct@osboxes:~$ gcc copy.c -o copy
copy.c: In function 'main':
copy.c:25:18: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
25 | while ((nread = read(src, buf, SIZE)) > 0)
| ^~~~
| fread
copy.c:27:7: warning: implicit declaration of function 'write'; did you mean 'fwrite'? [-Wimplicit-function-declaration]
27 | if (write(dst, buf, nread) == -1)
| ^~~~~
| fwrite
copy.c:33:2: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
33 | close(src);
| ^~~~~
| pclose
ahloct@osboxes:~$ ./copy copy.c copy2.c
ahloct@osboxes:~$


Activities
Terminal
Dec 14 16:31
ahloct@osboxes: ~
Firefox Web Browser
GNU nano 4.3
copy.c
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <sys/stat.h>
#define SIZE 1024
int main(int argc, char *argv[]) {
int src, dst, nread;
char buf[SIZE];
if (argc != 3)
{
printf("Usage: gcc copy.c - o copy\n");
printf("Usage: ./copy <filename> <newfile> \n");
exit(-1);
}
if ((src = open(argv[1], O_RDONLY)) == -1)
{
perror(argv[1]);
exit(-1);
}
if ((dst = creat(argv[2], 0644)) == -1)
{
perror(argv[1]);
exit(-1);
}
while ((nread = read(src, buf, SIZE)) > 0)
{
if (write(dst, buf, nread) == -1)
{
printf("can't write\n");
exit(-1);
}
}
close(src);
close(dst);
}
[Read 35 lines]
^G Get Help
^O Write Out
^W Where Is
^K Cut Text
^J Justify
^C Cur Pos
M-U Undo
M-A Mark Text
M-] To Bracket
M-Q Previous
^B Back
^← Prev Word
^X Exit
^R Read File
^\ Replace
^U Paste Text
^T To Spell
^_ Go To Line
M-E Redo
M-6 Copy Text
^Q Where Was
M-W Next
^F Forward
^→ Next Word

4. Del


Activities
Terminal
Dec 14 16:36
ahloct@osboxes: ~
ahloct@osboxes:~$ nano del.c
ahloct@osboxes:~$ gcc del.c -o del
del.c: In function 'main':
del.c:15:3: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
15 | close(fd);
| ^~~~~
| pclose
del.c:16:3: warning: implicit declaration of function 'unlink' [-Wimplicit-function-declaration]
16 | unlink(argv[1]);
| ^~~~~~
ahloct@osboxes:~$ ./del copy2.c
ahloct@osboxes:~$


Activities
Terminal
Dec 14 16:35
ahloct@osboxes: ~
GNU nano 4.3
del.c
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
int main(int argc, char* argv[]){
int fd;
if (argc != 2)
{
printf("Usage: gcc del.c -o del\n");
printf("Usage: ./del <filename>\n");
exit(-1);
}
fd = open(argv[1], O_RDONLY);
if (fd != -1)
{
close(fd);
unlink(argv[1]);
} else
perror(argv[1]);
}
[Read 19 lines]
^G Get Help
^X Exit
^O Write Out
^R Read File
^W Where Is
^\ Replace
^K Cut Text
^U Paste Text
^J Justify
^T To Spell
^C Cur Pos
^_ Go To Line
M-U Undo
M-E Redo
M-A Mark Text
M-6 Copy Text
M-] To Bracket
^Q Where Was
M-Q Previous
M-W Next
^B Back
^F Forward
^ Prev Word
^ Next Word