

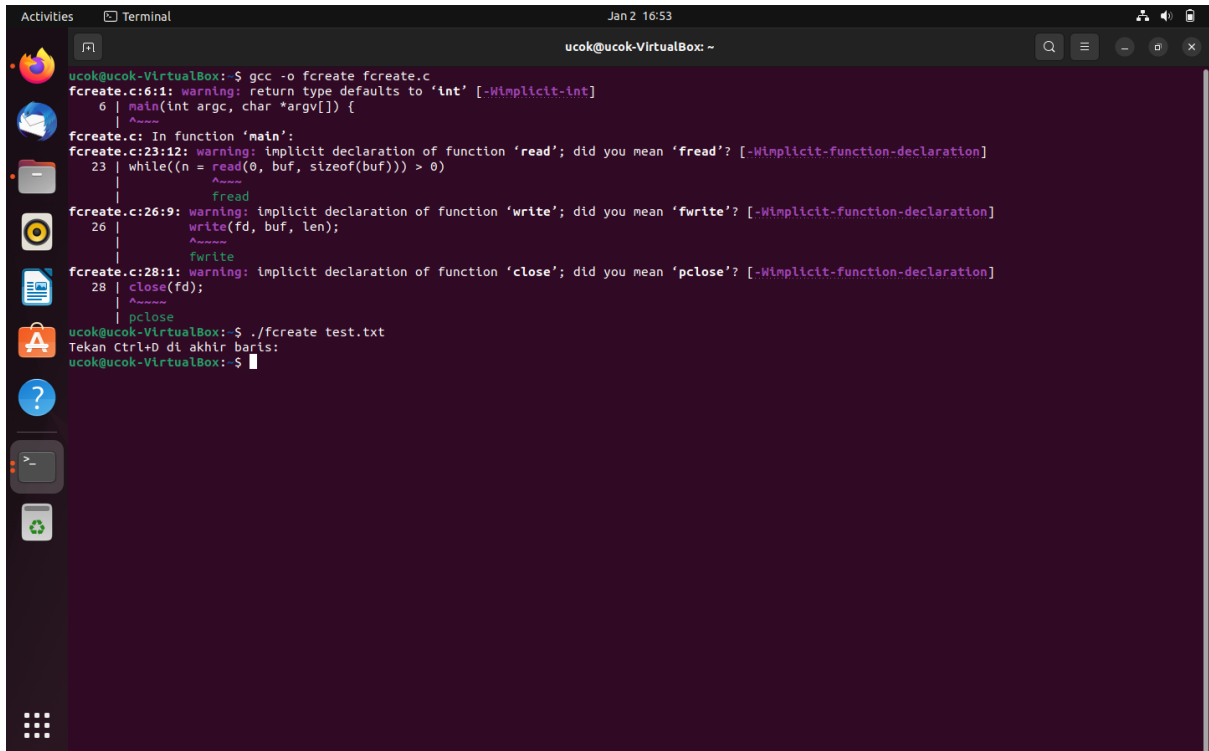
LAPORAN PRAKTIKUM SISTEM OPERASI MODUL 9

UCOK SAYUTI

L200210239

KELAS E

Membuat sebuah file dan menuliskan data di dalamnya.



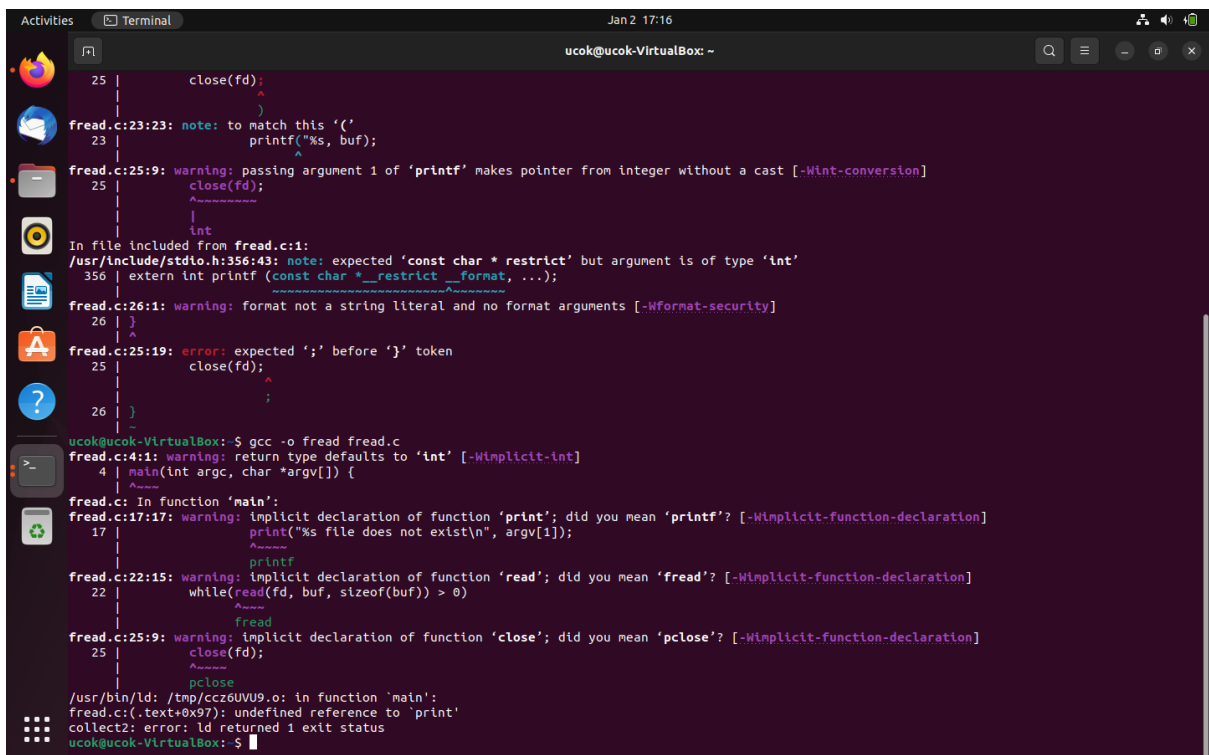
```
Activities Terminal Jan 2 16:53 ucok@ucok-VirtualBox: ~
ucok@ucok-VirtualBox:~$ gcc -o fcreate fcreate.c
fcreate.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
  6 | main(int argc, char *argv[]) {
    | ^~~~~
fcreate.c: In function 'main':
fcreate.c:23:12: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
   23 | while((n = read(0, buf, sizeof(buf))) > 0)
      |            ^~~~~
fcreate.c:26:9: warning: implicit declaration of function 'write'; did you mean 'fwrite'? [-Wimplicit-function-declaration]
   26 |     write(fd, buf, len);
      |     ^~~~~
fcreate.c:28:11: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
   28 |     close(fd);
      |     ^~~~~
ucok@ucok-VirtualBox:~$ ./fcreate test.txt
Tekan Ctrl+D di akhir baris:
ucok@ucok-VirtualBox:~$
```



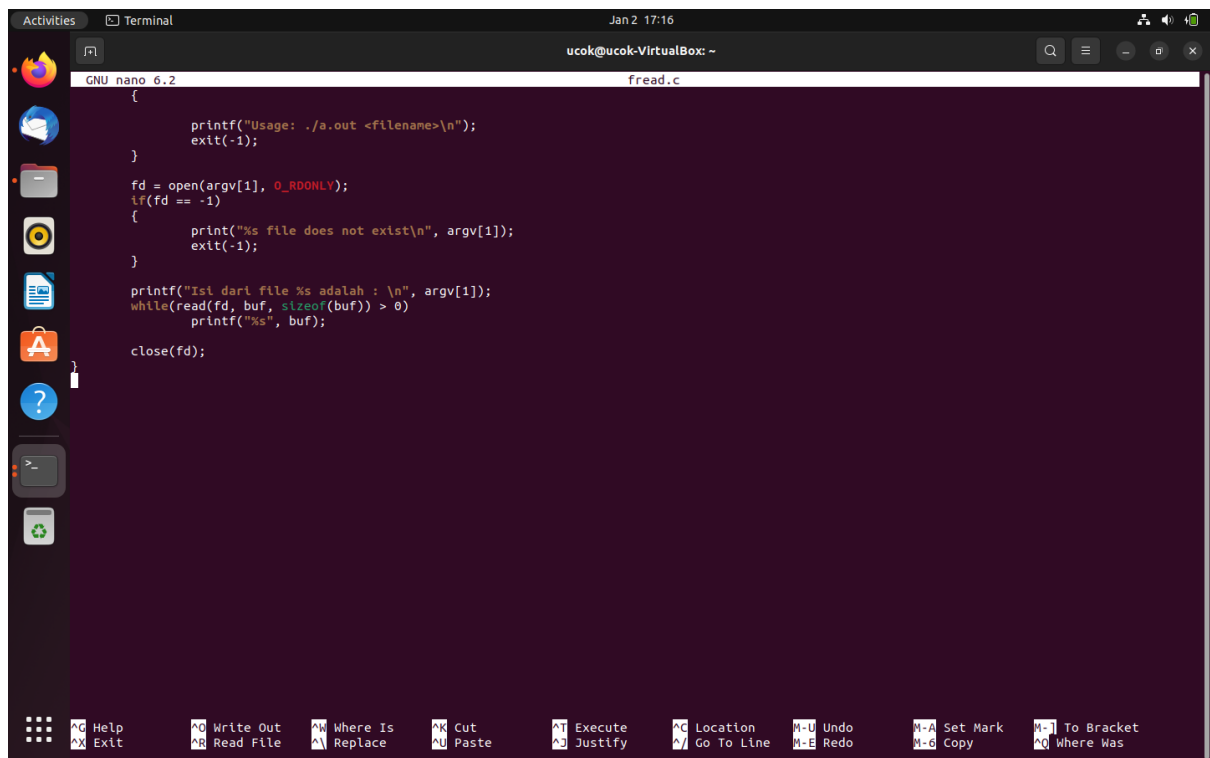
```
GNU nano 6.2 fcreate.c
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <fcntl.h>

main(int argc, char *argv[]) {
    int fd, n, len;
    char buf[100];
    if (argc != 2)
    {
        printf("Usage: ./a.out <filename>\n");
        exit(-1);
    }
    fd = open(argv[1], O_WRONLY|O_CREAT | O_TRUNC, 0644);
    if(fd < 0 )
    {
        printf("File creation problem\n");
        exit(-1);
    }
    printf("Tekan Ctrl+D di akhir baris:\n");
    while((n = read(0, buf, sizeof(buf))) > 0)
    {
        len = strlen(buf);
        write(fd, buf, len);
    }
    close(fd);
}
```

Membaca sebuah file dan menampilkan isinya di layer



```
25 |         close(fd);
    |         ^
fread.c:23:23: note: to match this '('
23 |         printf("%s", buf);
    |         ^
fread.c:25:9: warning: passing argument 1 of 'printf' makes pointer from integer without a cast [-Wint-conversion]
25 |         close(fd);
    |         ^~~~~~
    |         |
    |         int
In file included from fread.c:1:
/usr/include/stdio.h:356:43: note: expected 'const char * restrict' but argument is of type 'int'
356 | extern int printf(const char *__restrict __format, ...);
fread.c:26:11: warning: format not a string literal and no format arguments [-Wformat-security]
26 | }
    | ^
fread.c:25:19: error: expected ';' before '}' token
25 |         close(fd);
    |         ^
26 | }
    | ^
ucok@ucok-VirtualBox:~$ gcc -o fread fread.c
fread.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
4 | main(int argc, char *argv[]) {
  | ^~~~~
fread.c: In function 'main':
fread.c:17:17: warning: implicit declaration of function 'print'; did you mean 'printf'? [-Wimplicit-function-declaration]
17 |         print("%s file does not exist\n", argv[1]);
    |         ~~~~~
fread.c:22:15: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
22 |         while(read(fd, buf, sizeof(buf)) > 0)
    |         ~~~~~
fread.c:25:9: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
25 |         close(fd);
    |         ~~~~~
    |         pclose
/usr/bin/ld: /tmp/ccz6UVU9.o: in function 'main':
fread.c:(.text+0x97): undefined reference to 'print'
collect2: error: ld returned 1 exit status
ucok@ucok-VirtualBox:~$
```



```
GNU nano 6.2 fread.c
{
    printf("Usage: ./a.out <filename>\n");
    exit(-1);
}

fd = fopen(argv[1], "r");
if(fd == NULL)
{
    printf("%s file does not exist\n", argv[1]);
    exit(-1);
}

printf("Isi dari file %s adalah : \n", argv[1]);
while(fread(buf, sizeof(buf)) > 0)
    printf("%s", buf);

fclose(fd);
}
```

Jan 2 17:16 ucok@ucok-VirtualBox: ~

Help Exit Write Out Read File Where Is Replace Cut Paste Execute Justify Location Go To Line Undo Redo Set Mark Copy To Bracket Where Was

Menambah Isi File

```
Activities Terminal Jan 2 17:43 ucok@ucok-VirtualBox: ~
ucok@ucok-VirtualBox:~$ gcc -o fappend fappend.c
fappend.c:5:1: warning: return type defaults to 'int' [-Wimplicit-int]
5 | main(int argc, char *argv[]) {
  | ^~~~~
fappend.c: In function 'main':
fappend.c:19:20: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
19 |     while((n = read(0, buf, sizeof(buf))) > 0)
  |                    ^~~~~
fappend.c:22:17: warning: implicit declaration of function 'write'; did you mean 'fwrite'? [-Wimplicit-function-declaration]
22 |         write(fd, buf, len);
  |         ^~~~~
fappend.c:24:9: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
24 |         close(fd);
  |         ^~~~~
ucok@ucok-VirtualBox:~$ ./fappend test.txt
ucok Sayutti
L200210239^C
ucok@ucok-VirtualBox:~$
```

```
Activities Terminal Jan 2 17:44 ucok@ucok-VirtualBox: ~
GNU nano 6.2 fappend.c
int fd, n, len;
char buf[100];
if (argc != 2)
{
    printf("Usage: ./a.out <filename>\n"); exit(-1);
}
fd = open(argv[1], O_APPEND|O_WRONLY|O_CREAT, 0644);
if (fd < 0)
{
    perror(argv[1]);
    exit(-1);
}

while((n = read(0, buf, sizeof(buf))) > 0)
{
    len = strlen(buf);
    write(fd, buf, len);
}
close(fd);
}
```

Help Exit Write Out Read File Where Is Replace Cut Paste Execute Justify Location Go To Line Undo Redo Set Mark Copy To Bracket Where Was