

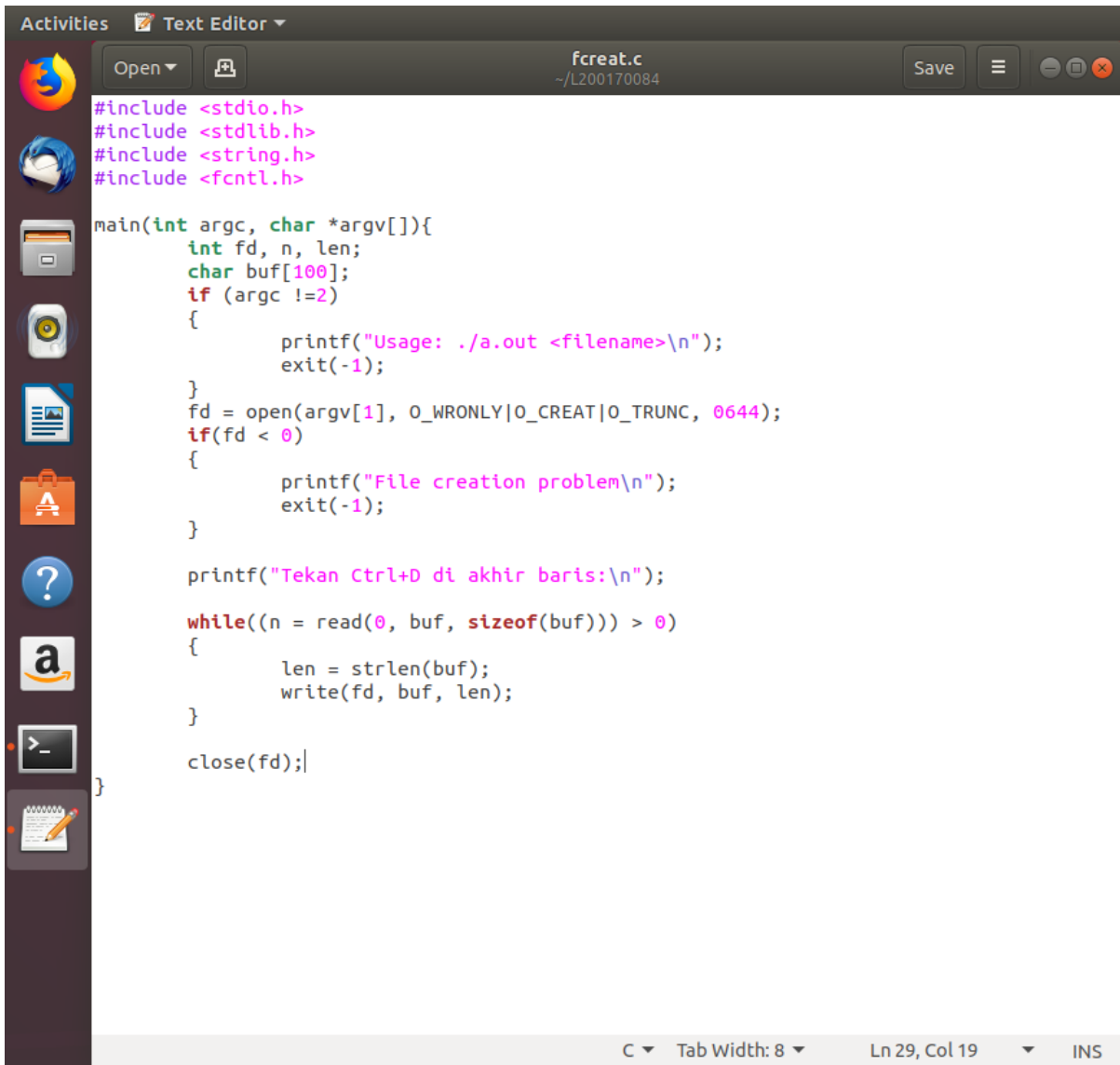
MODUL 09

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NIM : L200170050

Kelas : C

1. Ketikkan perintah 'gedit fcreat.c', kemudian tulis Kode Program seperti di bawah ini:



```
#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");

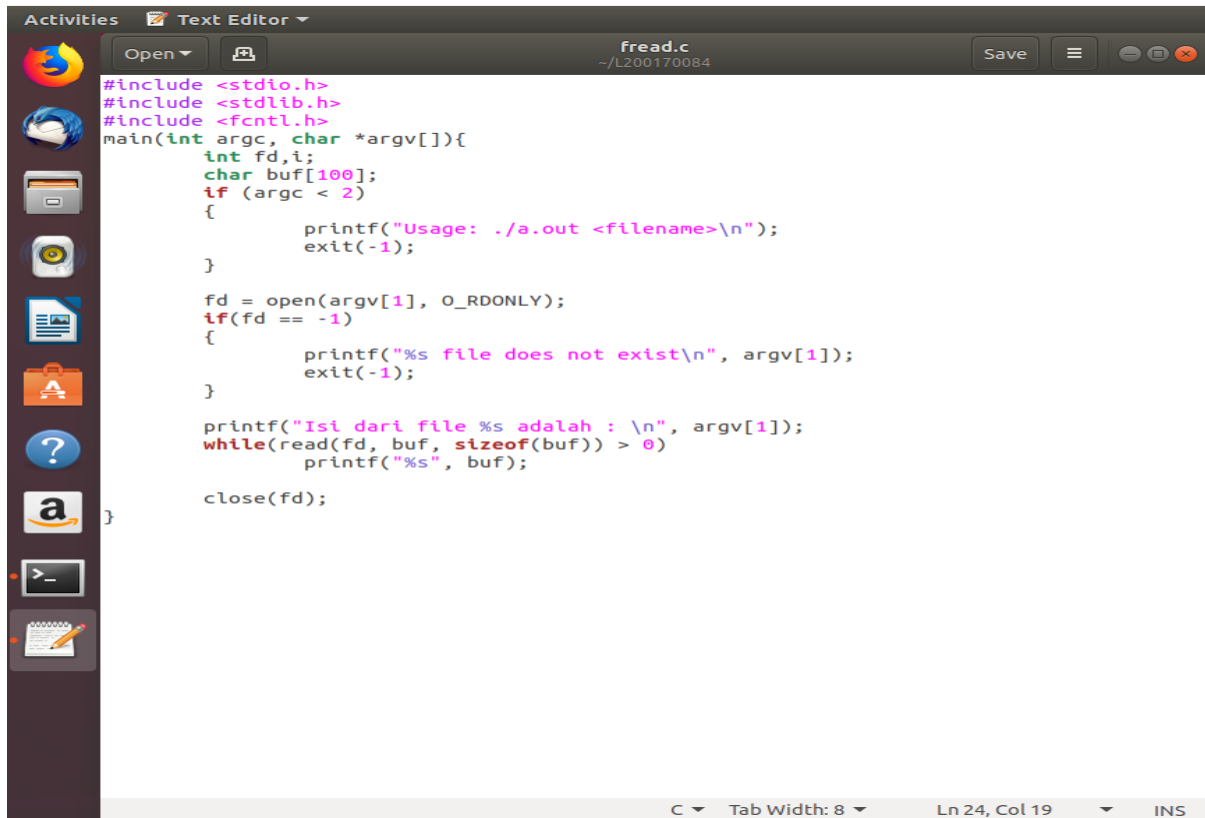
    while((n = read(0, buf, sizeof(buf))) > 0)
    {
        len = strlen(buf);
        write(fd, buf, len);
    }

    close(fd);
}
```

2. Kemudian compile dengan mengetikkan 'gcc -o fcreat fcreat.c', enter. Kemudian ketik './fcreat 084.txt', ketikkan teks yang akan disimpan dalam file. Untuk menyimpan dan menyudahi tekan tombol 'Enter' kemudian Ctrl+D

```
yussynta@yussynta-VirtualBox: ~/L200170084
File Edit View Search Terminal Help
yussynta@yussynta-VirtualBox:~$ cd L200170084
yussynta@yussynta-VirtualBox:~/L200170084$ gedit fcreat.c
yussynta@yussynta-VirtualBox:~/L200170084$ gcc -o fcreat fcreat.c
fcreat.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]){
^~~~~
fcreat.c: In function 'main':
fcreat.c:23:13: warning: implicit declaration of function 'read'; did you mean '
fread'? [-Wimplicit-function-declaration]
    while((n = read(0, buf, sizeof(buf))) > 0)
                ^~~~~
                fread
fcreat.c:26:3: warning: implicit declaration of function 'write'; did you mean '
fwrite'? [-Wimplicit-function-declaration]
    write(fd, buf, len);
    ^~~~~
    fwrite
fcreat.c:29:2: warning: implicit declaration of function 'close'; did you mean '
pclose'? [-Wimplicit-function-declaration]
    close(fd);
    ^~~~~
    pclose
yussynta@yussynta-VirtualBox:~/L200170084$ ./fcreat 084.txt
Tekan Ctrl+D di akhir baris:
Nama : Yussynta Dewi A.P
NIM  : L200170084
Alamat : Boyolali
TTL   : 10, April 1999
Hallo..
yussynta@yussynta-VirtualBox:~/L200170084$
```

3. Kemudian lanjutkan dengan 'gedit fread.c' ketik Kode Program dan save



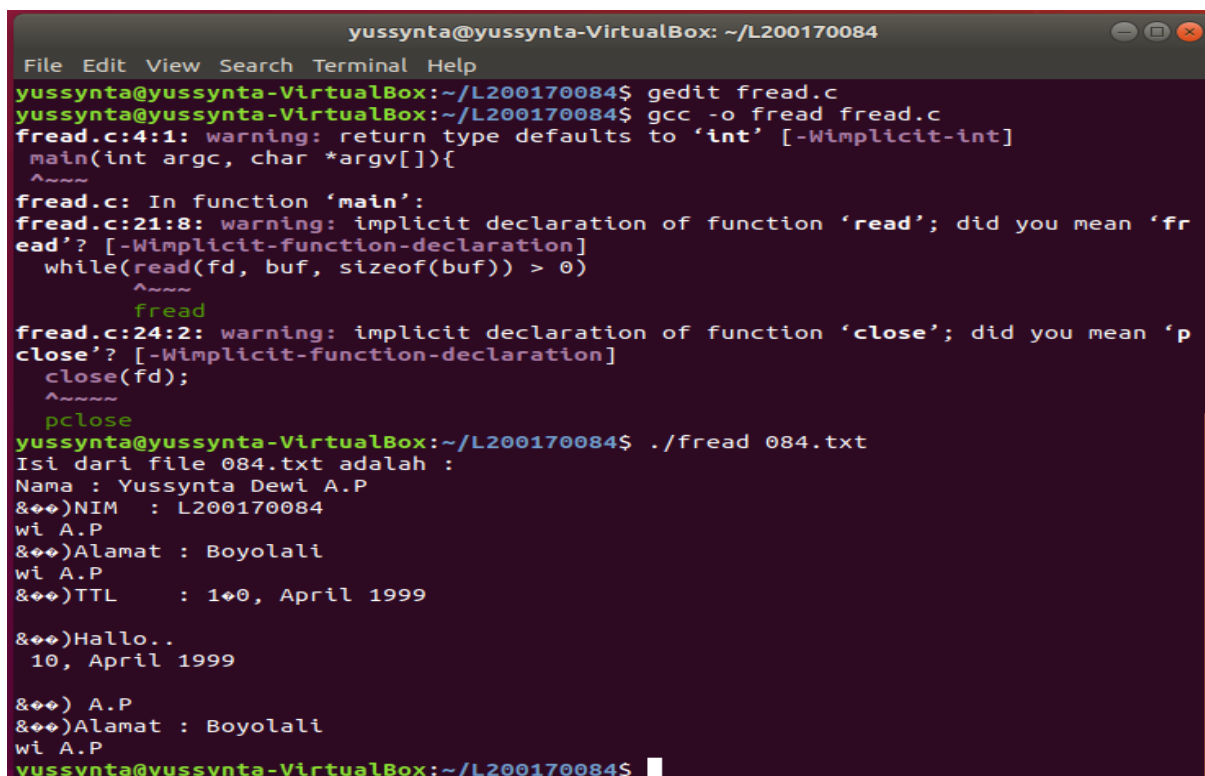
```
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
main(int argc, char *argv[]){
    int fd,i;
    char buf[100];
    if (argc < 2)
    {
        printf("Usage: ./a.out <filename>\n");
        exit(-1);
    }

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

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

    close(fd);
}
```

4. Compile dengan mengetik 'gcc fread fread.c', kemudian ketik './fread 084.txt' untuk membaca file pada 084.txt

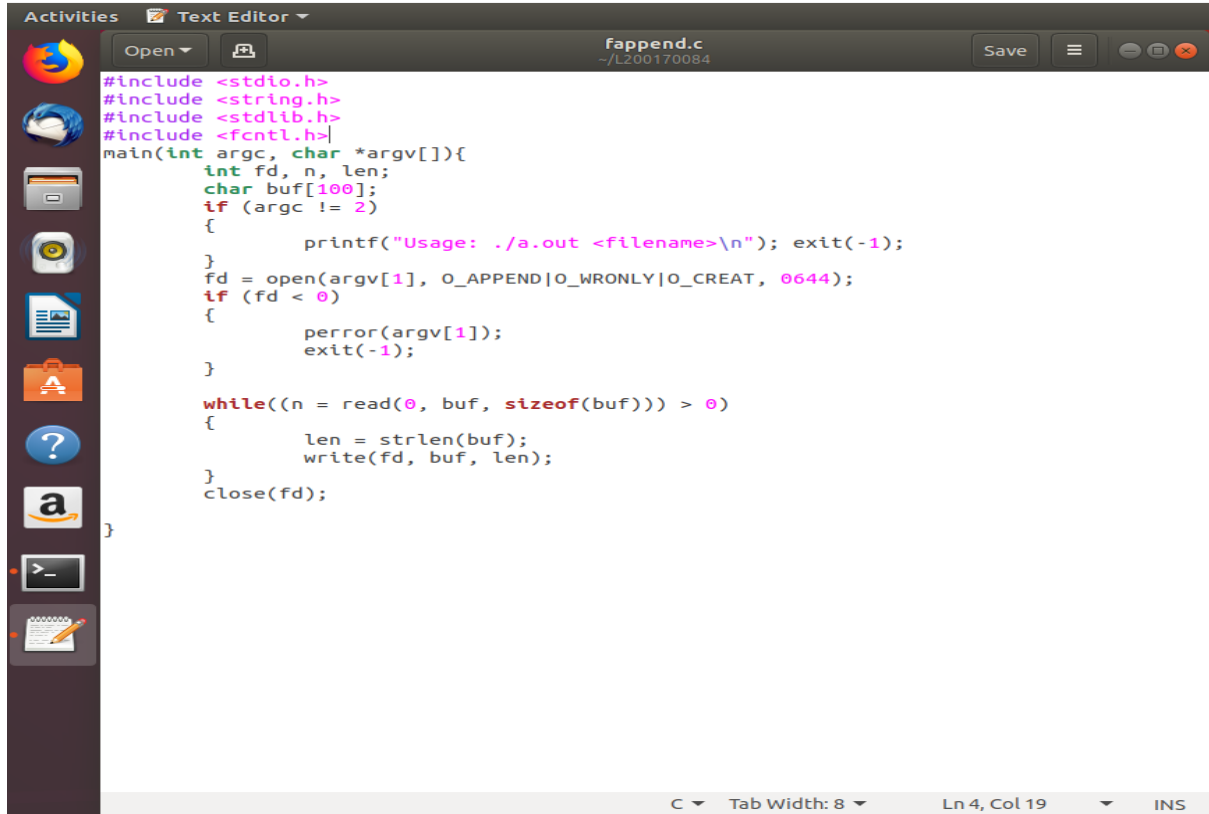


```
yussynta@yussynta-VirtualBox: ~/L200170084
File Edit View Search Terminal Help
yussynta@yussynta-VirtualBox:~/L200170084$ gedit fread.c
yussynta@yussynta-VirtualBox:~/L200170084$ gcc -o fread fread.c
fread.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]){
^~~~~
fread.c: In function 'main':
fread.c:21:8: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
    while(read(fd, buf, sizeof(buf)) > 0)
           ^~~~~
fread.c:24:2: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
    close(fd);
    ^~~~~
pclose
yussynta@yussynta-VirtualBox:~/L200170084$ ./fread 084.txt
Isi dari file 084.txt adalah :
Nama : Yussynta Dewi A.P
&☎)NIM : L200170084
wi A.P
&☎)Alamat : Boyolali
wi A.P
&☎)TTL : 10, April 1999

&☎)Hallo..
10, April 1999

&☎) A.P
&☎)Alamat : Boyolali
wi A.P
yussynta@yussynta-VirtualBox:~/L200170084$
```

5. Lanjutkan dengan 'gedit fappend.c', tulis Kode Program dan save



The screenshot shows a Linux desktop with a sidebar containing various application icons. The main window is a text editor titled 'fappend.c' with the path '~/L200170084'. The code is written in C and implements a program to append data from standard input to a file specified by a command-line argument. The code includes headers for standard I/O, strings, standard library, and file control. It defines a main function that takes argc and argv, checks for a valid filename, opens the file in append mode, and then reads and writes data from stdin to the file until EOF is reached.

```
#include <stdio.h>
#include <string.h>
#include <stdlib.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_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);
}
```

The status bar at the bottom of the text editor shows 'C', 'Tab Width: 8', 'Ln 4, Col 19', and 'INS'.

6. Kemudian compile dengan mengetikkan 'gcc -o fappend fappend.c', enter. Kemudian ketikkan './fappend 084.txt'(enter) untuk menambah isi file pada 084.txt. dan ketikkan './fread 084.txt'(enter) untuk melihat kembali file yang telah di tambahkan

```
yussynta@yussynta-VirtualBox: ~/L200170084
File Edit View Search Terminal Help
yussynta@yussynta-VirtualBox:~/L200170084$ gedit fappend.c
yussynta@yussynta-VirtualBox:~/L200170084$ gcc -o fappend fappend.c
fappend.c:5:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]){
^~~~~
fappend.c: In function 'main':
fappend.c:19:13: warning: implicit declaration of function 'read'; did you mean
'fread'? [-Wimplicit-function-declaration]
while((n = read(0, buf, sizeof(buf))) > 0)
             ^~~~~
fappend.c:22:3: warning: implicit declaration of function 'write'; did you mean
'fwrite'? [-Wimplicit-function-declaration]
write(fd, buf, len);
   ^~~~~
fappend.c:24:2: warning: implicit declaration of function 'close'; did you mean
'pclose'? [-Wimplicit-function-declaration]
close(fd);
   ^~~~~
pclose
yussynta@yussynta-VirtualBox:~/L200170084$ ./fappend 084.txt
Hay aku Synta
yussynta@yussynta-VirtualBox:~/L200170084$ ./fread 084.txt
Isi dari file 084.txt adalah :
Nama : Yussynta Dewi A.P
&##NIM : L200170084
wi A.P
&##Alamat : Boyolali
wi A.P
&##TTL : 10, April 1999

&##Hallo..
10, April 1999

&##Hay aku Synta
at : Boyolali
wi A.P
yussynta@yussynta-VirtualBox:~/L200170084$
```