

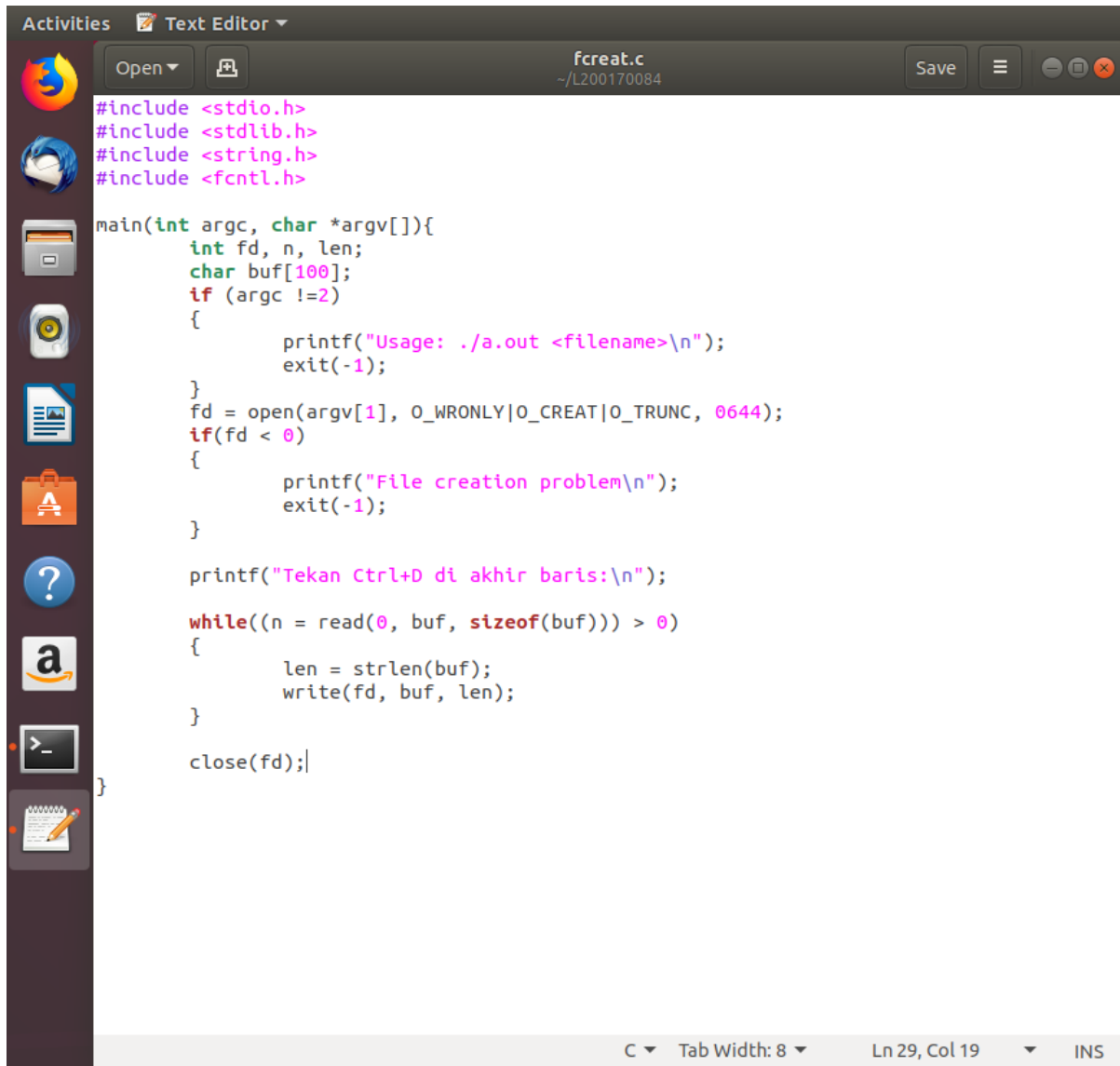
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NIM : L200170035

Kelas : B

## MODUL 09

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>

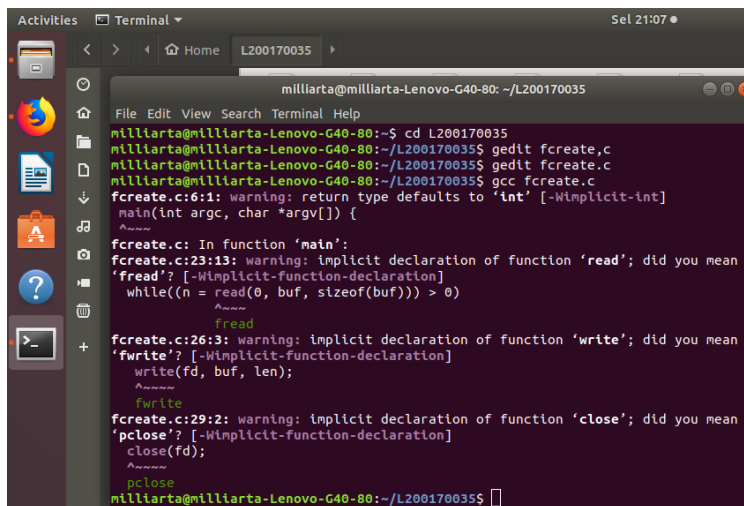
main(int argc, char *argv[]){
    int fd, n, len;
    char buf[100];
    if (argc !=2)
    {
        printf("Usage: ./a.out <filename>\n");
        exit(-1);
    }
    fd = open(argv[1], O_WRONLY|O_CREAT|O_TRUNC, 0644);
    if(fd < 0)
    {
        printf("File creation problem\n");
        exit(-1);
    }

    printf("Tekan Ctrl+D di akhir baris:\n");

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

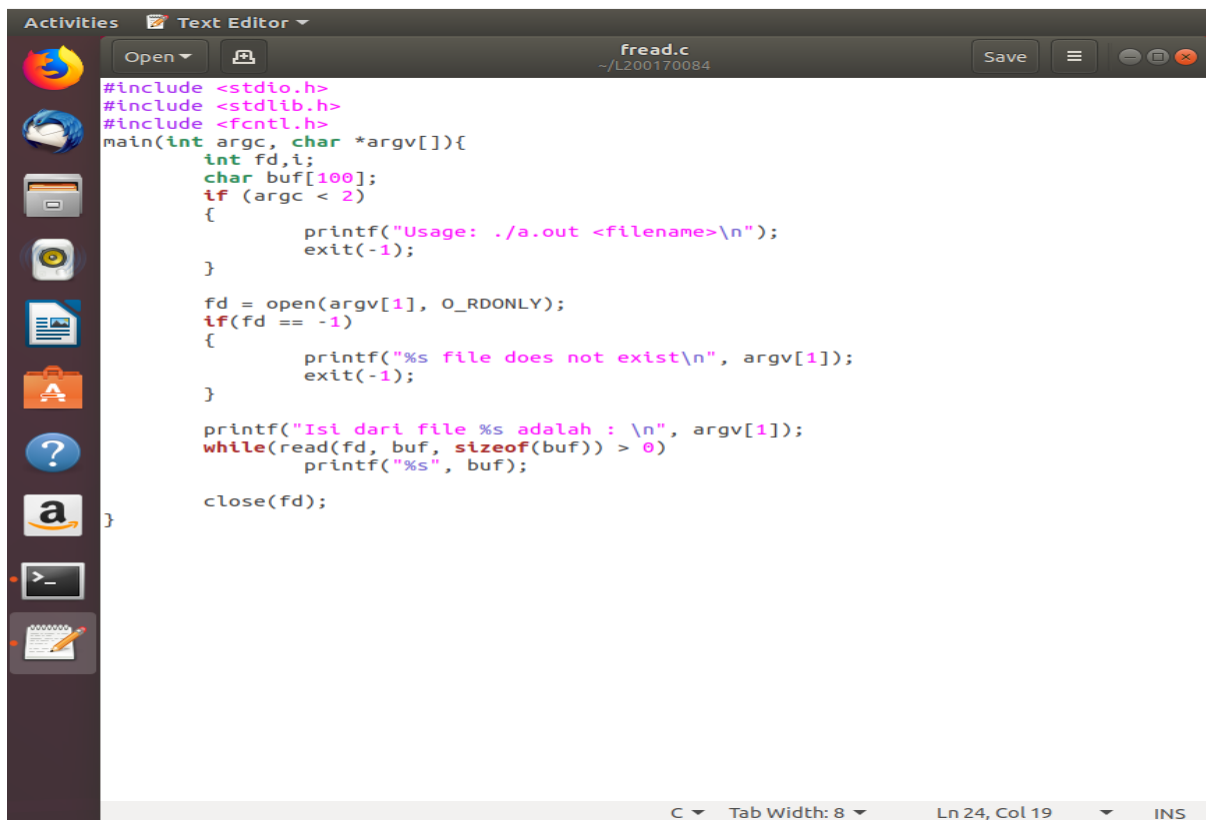
    close(fd);
}
```

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



```
milliarta@milliarta-Lenovo-G40-80: ~/L200170035
milliarta@milliarta-Lenovo-G40-80:~$ cd L200170035
milliarta@milliarta-Lenovo-G40-80:~/L200170035$ gedit fcreate.c
milliarta@milliarta-Lenovo-G40-80:~/L200170035$ gedit fcreate.c
milliarta@milliarta-Lenovo-G40-80:~/L200170035$ gcc fcreate.c
fcreate.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]) {
^~~~~
fcreate.c: In function 'main':
fcreate.c:23:13: warning: implicit declaration of function 'read'; did you mean
'fread'? [-Wimplicit-function-declaration]
while((n = read(0, buf, sizeof(buf))) > 0)
^~~~~
fcreate.c:26:3: warning: implicit declaration of function 'write'; did you mean
'fwrite'? [-Wimplicit-function-declaration]
write(fd, buf, len);
^~~~~
fcreate.c:29:2: warning: implicit declaration of function 'close'; did you mean
'pclose'? [-Wimplicit-function-declaration]
close(fd);
^~~~~
pclose
milliarta@milliarta-Lenovo-G40-80:~/L200170035$
```

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



```
Open  fread.c  Save
~/L200170084

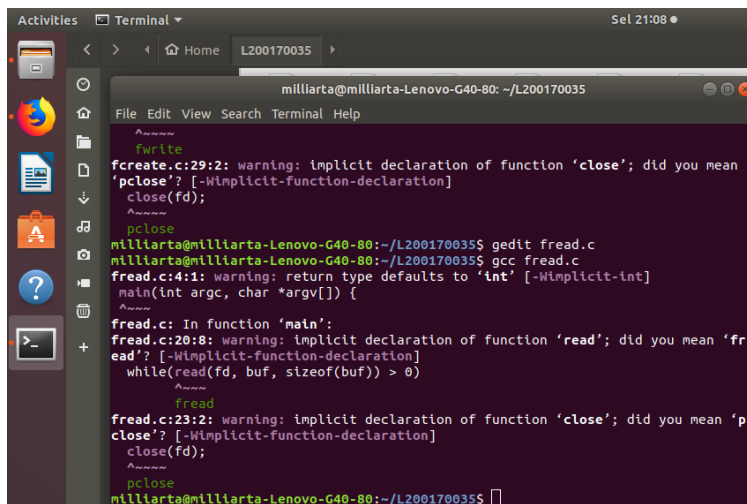
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
main(int argc, char *argv[]){
    int fd,i;
    char buf[100];
    if (argc < 2)
    {
        printf("Usage: ./a.out <filename>\n");
        exit(-1);
    }

    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);
}
```

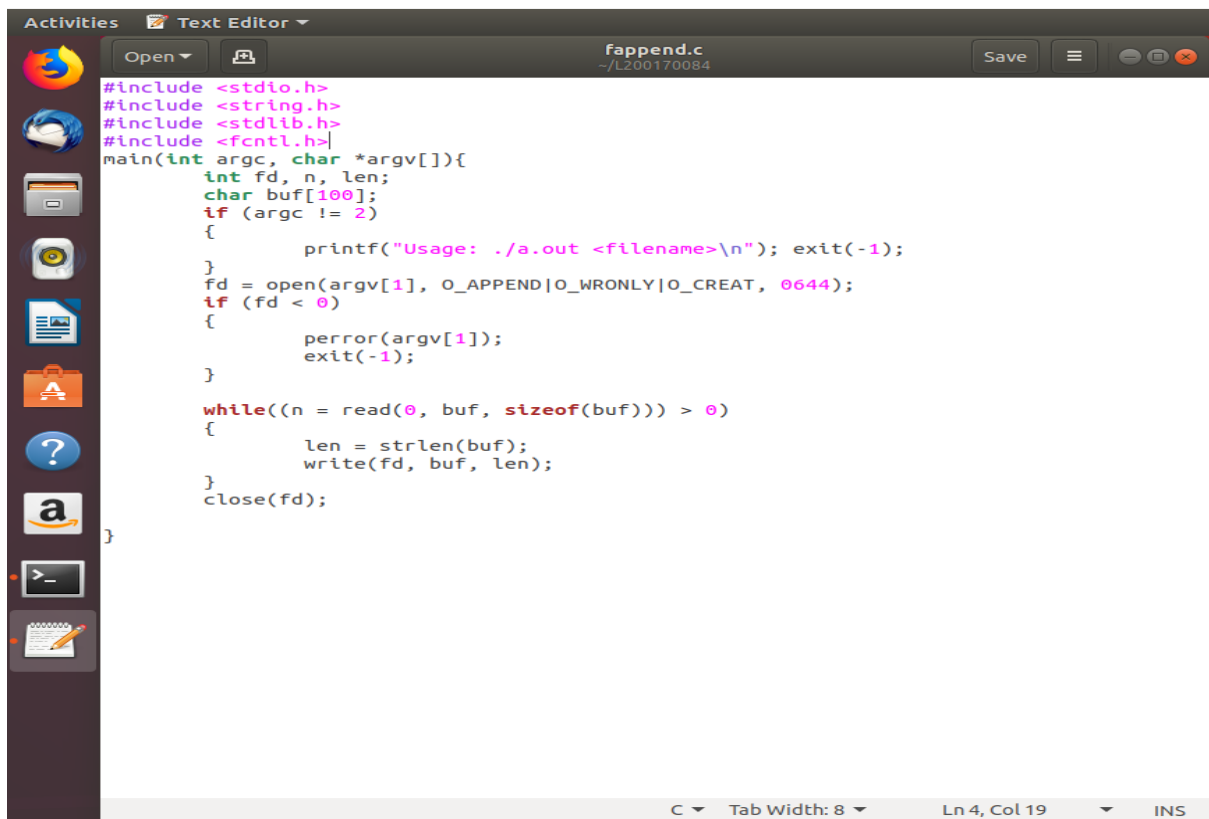
4. Compile dengan mengetik 'gcc fread fread.c', kemudian ketik './fread 084.txt' untuk membaca file pada 084.txt



A terminal window titled 'milliarta@milliarta-Lenovo-G40-80: ~/L200170035' showing the compilation of a C program. The user runs 'gcc fread.c', which produces several warnings: 'warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]', 'warning: return type defaults to 'int' [-Wimplicit-int]', and 'warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]'. The program code is visible in the background, showing a loop that reads from standard input and writes to a file.

```
fcreate.c:29:2: warning: implicit declaration of function 'close'; did you mean
'pclose'? [-Wimplicit-function-declaration]
  close(fd);
  ~~~~~
pclose
milliarta@milliarta-Lenovo-G40-80:~/L200170035$ gcc 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:20:8: warning: implicit declaration of function 'read'; did you mean 'fr
ead'? [-Wimplicit-function-declaration]
  while(read(fd, buf, sizeof(buf)) > 0)
  ~~~~~
fread
fread.c:23:2: warning: implicit declaration of function 'close'; did you mean 'p
close'? [-Wimplicit-function-declaration]
  close(fd);
  ~~~~~
pclose
milliarta@milliarta-Lenovo-G40-80:~/L200170035$
```

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



A text editor window titled 'fappend.c' showing the source code for a program that appends data to a file. The code includes headers for stdio, string, stdlib, and fcntl. It defines a main function that takes command-line arguments. If the user provides a filename, it opens the file in append mode and writes the contents of standard input to it. If no filename is provided, it reads from standard input and writes to a file named '084.txt'.

```
#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);
}
```

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 kebalik file yang telah di tambahkan

Activities Terminal Sel 21:09

Home L200170035

milliarta@milliarta-Lenovo-G40-80: ~/L200170035

```
File Edit View Search Terminal Help

pclose
milliarta@milliarta-Lenovo-G40-80:~/L200170035$ gedit fappend.c
milliarta@milliarta-Lenovo-G40-80:~/L200170035$ 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
milliarta@milliarta-Lenovo-G40-80:~/L200170035$
```