

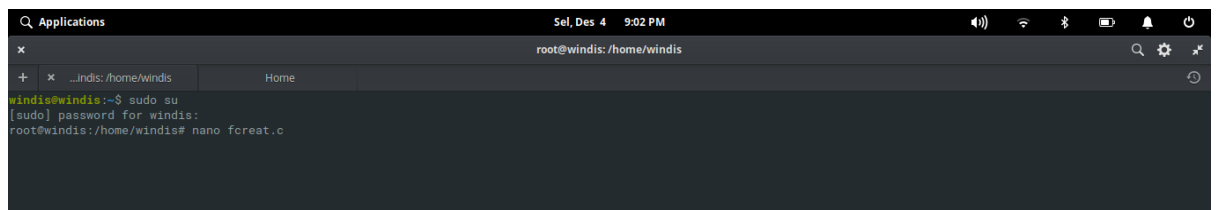
NAMA : WINDI SAPUTRI

KELAS : E

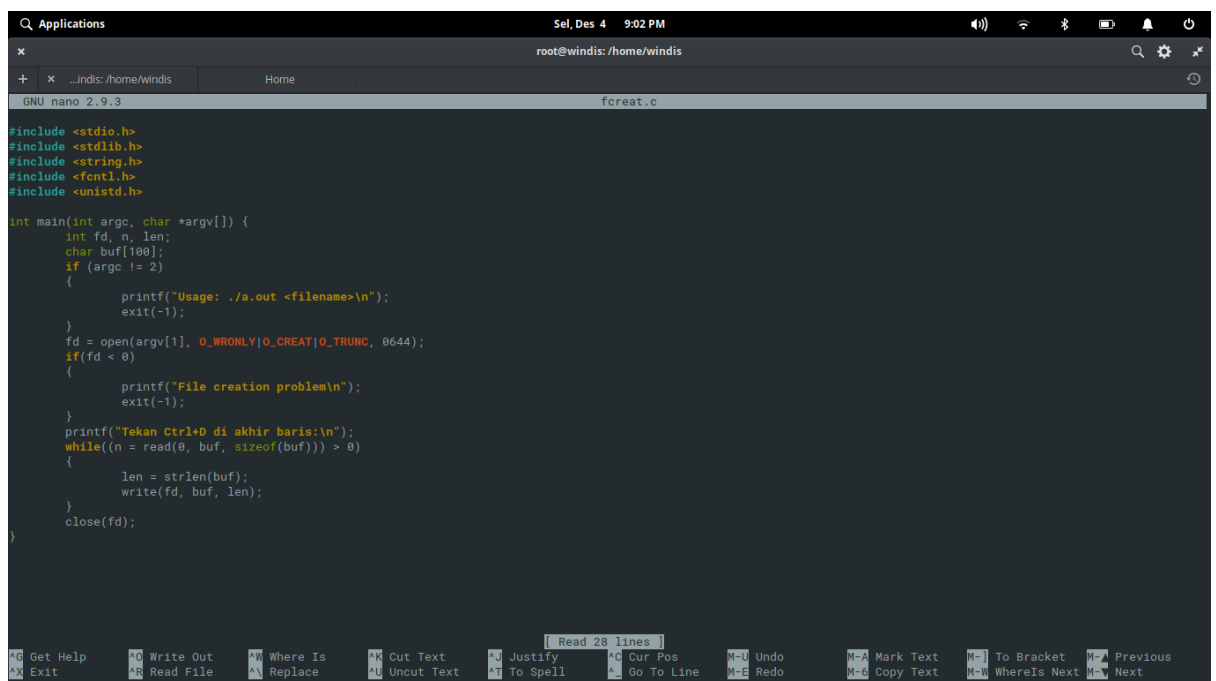
NIM : L200170115

## 1. Membuat sebuah file dan menuliskannya.

### Fcreat.c



```
root@windis: /home/windis
windis@windis:~$ sudo su
[sudo] password for windis:
root@windis: /home/windis# nano fcreat.c
```

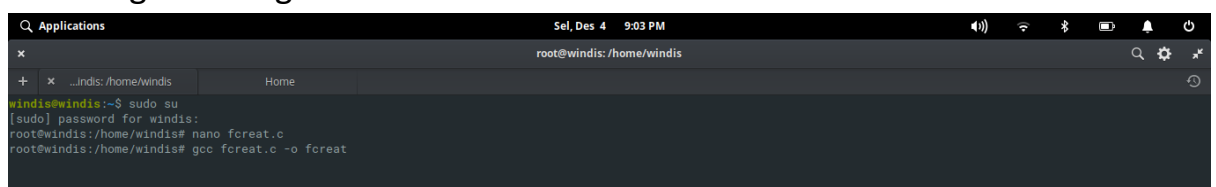


```
GNU nano 2.9.3 fcreat.c
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <fcntl.h>
#include <unistd.h>

int 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+C di akhir baris:\n");
    while ((n = read(0, buf, sizeof(buf))) > 0)
    {
        len = strlen(buf);
        write(fd, buf, len);
    }
    close(fd);
}
```

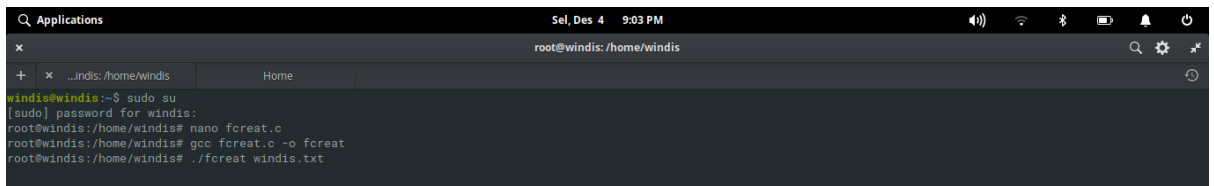
Lalu di save dgn ctrl+x , Y dan enter

Cek dengan ketik gcc fcreat.c -o fcreat



```
root@windis: /home/windis# gcc fcreat.c -o fcreat
```

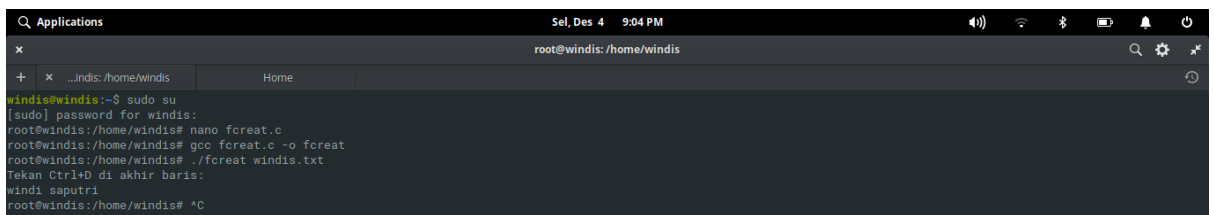
Lalu ketik `./fcreat windis.txt` untuk memanggil nama file



```
Applications Sel, Des 4 9:03 PM
root@windis: /home/windis

windis@windis:~$ sudo su
[sudo] password for windis:
root@windis: /home/windis# nano fcreat.c
root@windis: /home/windis# gcc fcreat.c -o fcreat
root@windis: /home/windis# ./fcreat windis.txt
```

Kemudian ketikkan text yang akan disimpan dalam file , tekan `ctrl+D` dan tekan `ctrl+C` jika sudah selesai.

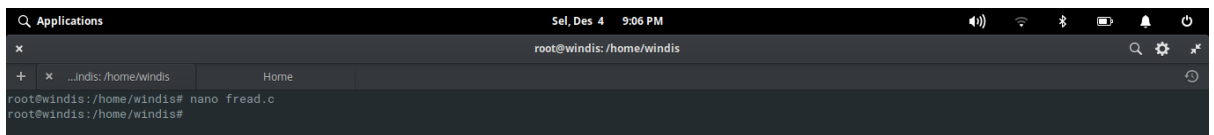


```
Applications Sel, Des 4 9:04 PM
root@windis: /home/windis

windis@windis:~$ sudo su
[sudo] password for windis:
root@windis: /home/windis# nano fcreat.c
root@windis: /home/windis# gcc fcreat.c -o fcreat
root@windis: /home/windis# ./fcreat windis.txt
Tekan Ctrl+D di akhir baris:
windi saputri
root@windis: /home/windis# ^C
```

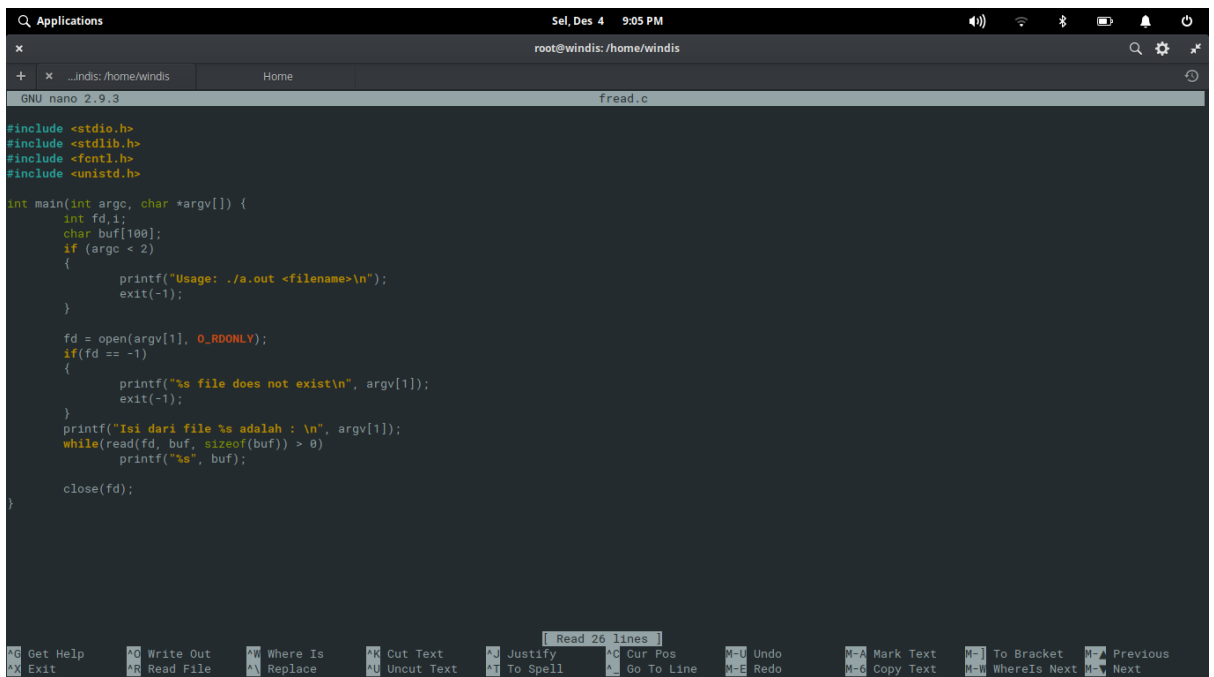
## 2. Membaca sebuah file dan menampilkan isinya di layar.

Ketik `nano fread.c`



```
Applications Sel, Des 4 9:06 PM
root@windis: /home/windis

root@windis: /home/windis# nano fread.c
root@windis: /home/windis#
```



```
Applications Sel, Des 4 9:05 PM
root@windis: /home/windis

GNU nano 2.9.3 fread.c

#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <unistd.h>

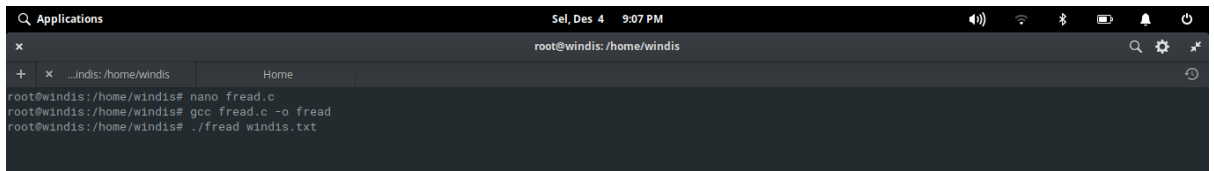
int main(int argc, char *argv[]) {
    int fd, i;
    char buf[100];
    if (argc < 2)
    {
        printf("Usage: ./a.out <filename>\n");
        exit(-1);
    }

    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);
}
```

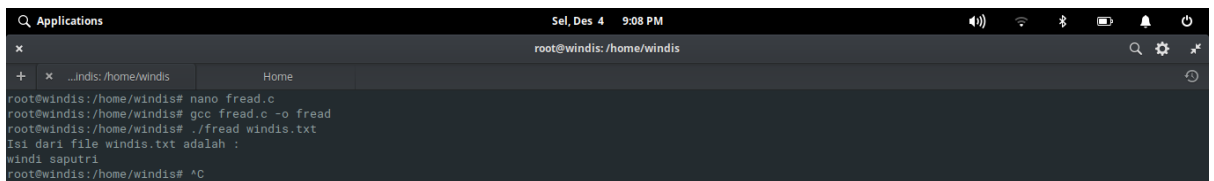
Lalu di save dgn `ctrl+x` , Y dan enter

Cek dengan gcc fread.c -o fread kemudian ketik ./fread windis.txt untuk menampilkan file tersebut



```
root@windis:/home/windis# nano fread.c
root@windis:/home/windis# gcc fread.c -o fread
root@windis:/home/windis# ./fread windis.txt
```

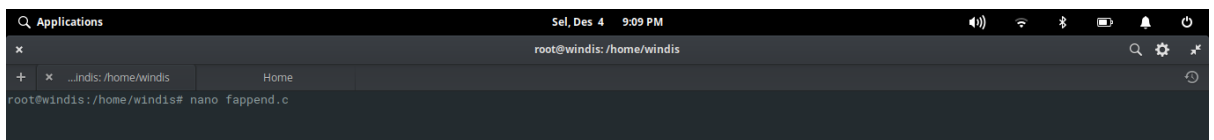
## Hasilnya



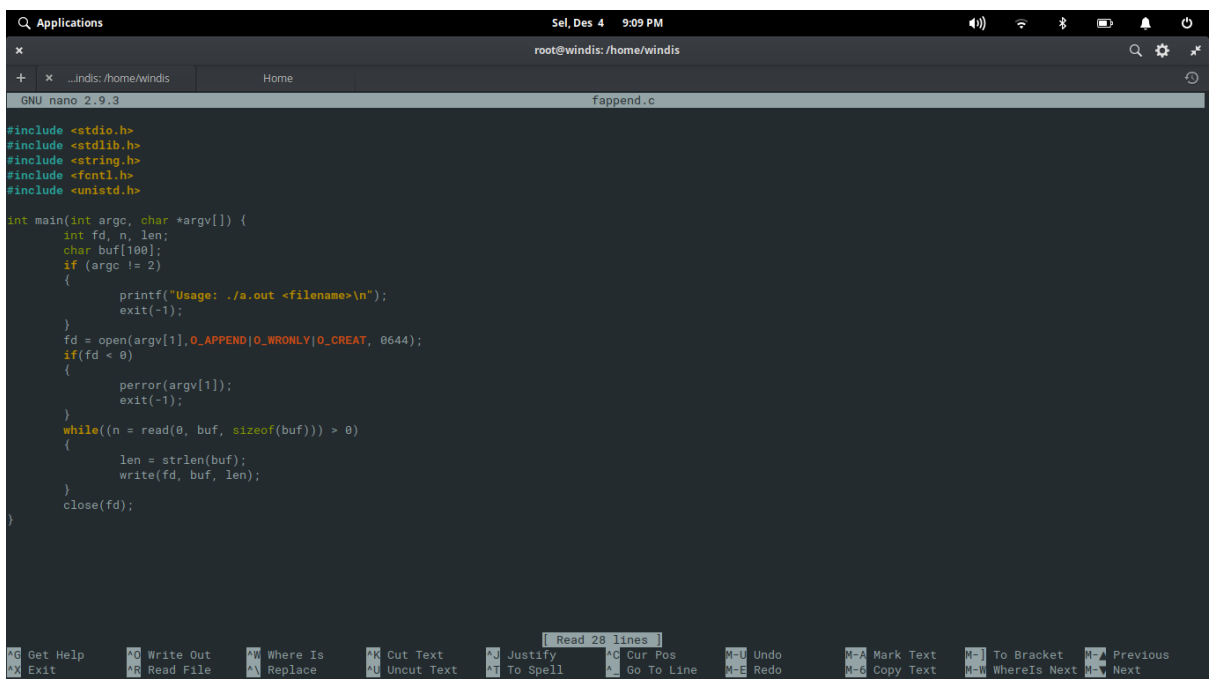
```
root@windis:/home/windis# nano fread.c
root@windis:/home/windis# gcc fread.c -o fread
root@windis:/home/windis# ./fread windis.txt
Isi dari file windis.txt adalah :
windi saputri
root@windis:/home/windis# ^C
```

## 3. Menambah isi file

Ketik nano fappend.c



```
root@windis:/home/windis# nano fappend.c
```



```
GNU nano 2.9.3 fappend.c

#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <fcntl.h>
#include <unistd.h>

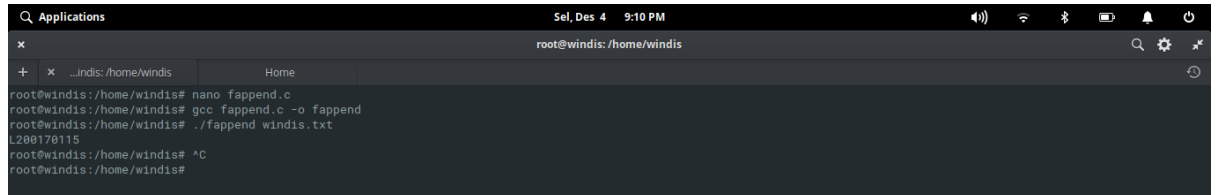
int main(int argc, char *argv[]) {
    int fd, n, len;
    char buf[100];
    if (argc != 2)
    {
        printf("Usage: ./a.out <filename>\n");
        exit(-1);
    }
    fd = open(argv[1], O_APPEND|O_WRONLY|O_CREAT, 0644);
    if (fd < 0)
    {
        perror(argv[1]);
        exit(-1);
    }
    while((n = read(0, buf, sizeof(buf))) > 0)
    {
        len = strlen(buf);
        write(fd, buf, len);
    }
    close(fd);
}
```

Lalu save dengan ctrl+x , Y dan enter

Lalu cek dengan ketik `gcc fappend.c -o fappend`.

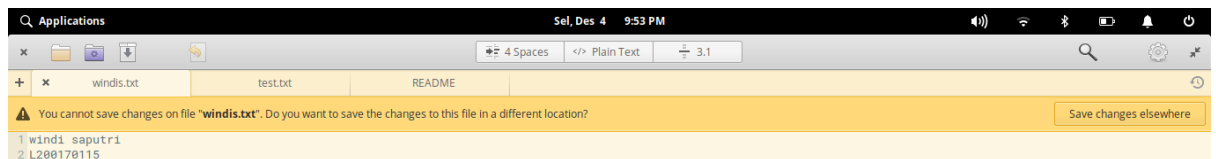
Lihat filenya dengan ketik `./fappend windis.txt`

Setelah itu tambahkan teks terus `ctrl+D` , setelah selesai ketik `ctrl+C`



```
root@windis:/home/windis# nano fappend.c
root@windis:/home/windis# gcc fappend.c -o fappend
root@windis:/home/windis# ./fappend windis.txt
L200170115
root@windis:/home/windis# ^C
root@windis:/home/windis#
```

Hasil di windis.txt



```
windis.txt
1 windi saputri
2 L200170115
```