

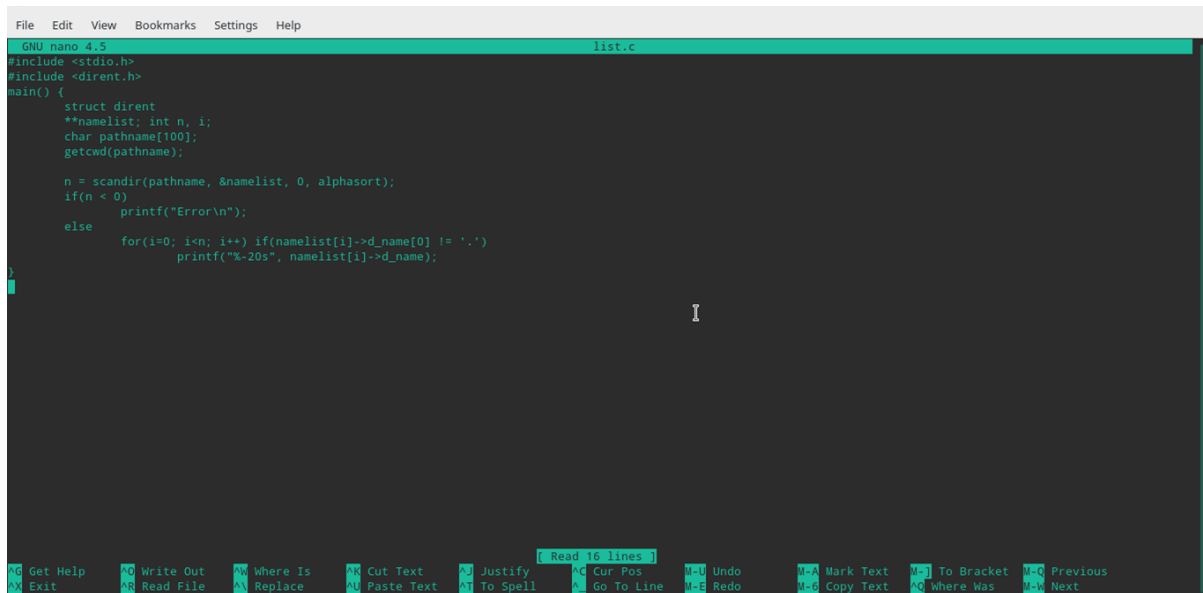
Nama : Nur Fitria Melani

NIM : L200180012

Kelas : A

Modul 10

Simulasi Command(Perintah)



```
GNU nano 4.3 list.c
#include <stdio.h>
#include <dirent.h>
main() {
    struct dirent
    **namelist; int n, i;
    char pathname[100];
    getcwd(pathname);

    n = scandir(pathname, &namelist, 0, alphasort);
    if(n < 0)
        printf("Error\n");
    else
        for(i=0; i<n; i++) if(namelist[i]->d_name[0] != '.')
            printf("%-20s", namelist[i]->d_name);
}
```



```
We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:

#1) Respect the privacy of others.
#2) Think before you type.
#3) With great power comes great responsibility.

[sudo] password for fitria:
[Deutan12 fitria]# nano list.c
[Deutan12 fitria]# nano list.c
[Deutan12 fitria]# gcc list.c -o list
list.c:3:1: warning: return type defaults to 'int' [-Wimplicit-int]
   3 | main() {
     | ^~~~
list.c: In function 'main':
list.c:7:2: warning: implicit declaration of function 'getcwd'; did you mean
'getw'? [-Wimplicit-function-declaration]
   7 |     getcwd(pathname);
     |     ^~~~~~
[Deutan12 fitria]# ./list
Desktop      Desktop      Downloads    Music
Pictures     Public      Templates    Videos
copy.c       del.c       list         list.c
[Deutan12 fitria]#
```

```
File Edit View Bookmarks Settings Help
GNU nano 4.5 mygrep.c
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
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 exists\n", argv[2]);
        exit(-1);
    }
    while (!feof(fd))
    {
        i = 0;
        while (1)
        {
            c = fgetc(fd);
            if (feof(fd))
            {
                str[i++] = '\0'; break;
            }
        }
    }

    Read 55 lines
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nano X nano X nano X bash X
```

```
File Edit View Bookmarks Settings Help
GNU nano 4.5 mygrep.c
    }
    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;
            }
        }
    }
}

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nano X nano X nano X bash X
```

```
File Edit View Bookmarks Settings Help
[fitria@Deutan12 ~]$ sudo su
[sudo] password for fitria:
[Deutan12 fitria]# nano mygrep.c
[Deutan12 fitria]# gcc mygrep.c -o mygrep
mygrep.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
  4 | main(int argc, char *argv[]) {
    | ^~~~
[Deutan12 fitria]# ./mygrep break mygrep.c
                                str[i++] = '\0'; break;
                                str[i++] = '\0'; break;
                                break;
[Deutan12 fitria]#
```

```
File Edit View Bookmarks Settings Help
GNU nano 4.5 copy.c
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <sys/stat.h>
#define SIZE 1024
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);
}
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Exit Read File Replace Paste Text To Spell Go To Line Redo Copy Text Where Was Next
```

```
File Edit View Bookmarks Settings Help
GNU nano 4.5 copy.c
#define SIZE 1024
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);
}
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```

```
File Edit View Bookmarks Settings Help
[fitria@Deutan12 ~]$ sudo su
[sudo] password for fitria:
[Deutan12 fitria]# nano copy.c
[Deutan12 fitria]# gcc copy.c -o copy
copy.c:6:11: warning: return type defaults to 'int' [-Wimplicit-int]
    6 | main(int argc, char *argv[]) {
      | ^~~~~
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)
      |                  ^~~~~
copy.c:27:7: warning: implicit declaration of function 'write'; did you mean 'fwrite'? [-Wimplicit-function-declaration]
   27 |     if (write(dst, buf, nread) == -1)
      |         ^~~~~
copy.c:33:2: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
   33 |     close(src);
      |     ^~~~~
      |     pclose
[Deutan12 fitria]# ./copy copy nama.txt
[Deutan12 fitria]# ./copy nama.txt namaku
[Deutan12 fitria]# ./copy nama.txt namaku.txt
[Deutan12 fitria]#
```

```
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GNU nano 4.5 del.c
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
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]);
}

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```

```
File Edit View Bookmarks Settings Help
[fitria@Deutan12 ~]$ sudo su
[sudo] password for fitria:
[Deutan12 fitria]# nano del.c
[Deutan12 fitria]# gcc del.c -o del
del.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
    4 | main(int argc, char* argv[]) {
      | ^~~~
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]);
      |     ^~~~~~
[Deutan12 fitria]# ./del nama.txt
[Deutan12 fitria]#
```