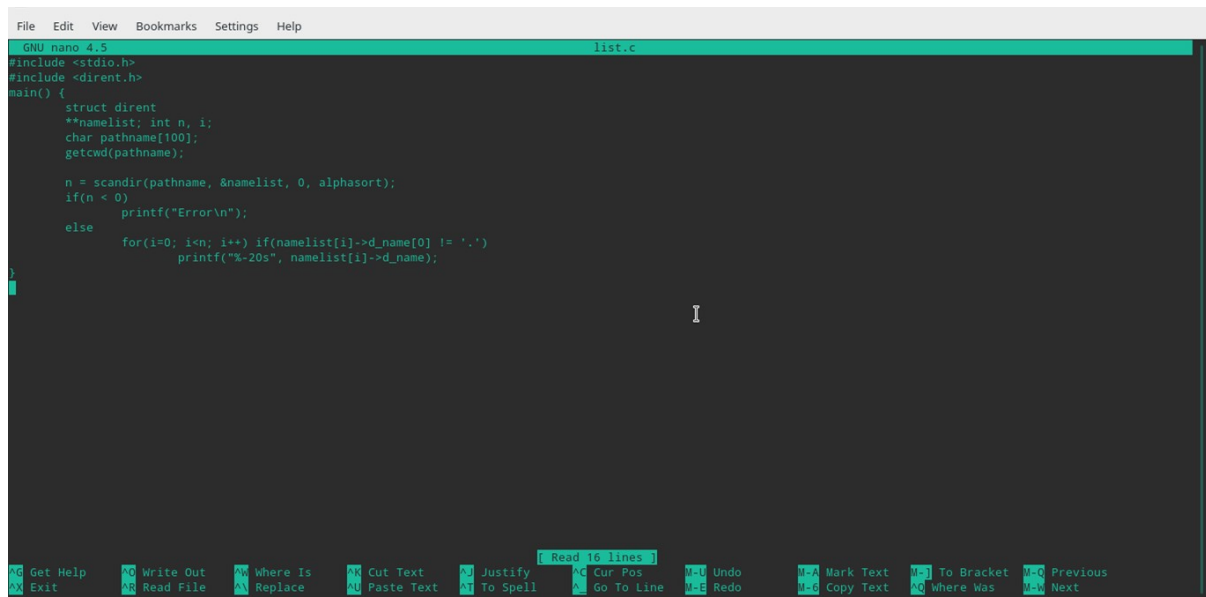


Nama : Krisna Alif Meilana

NIM : L200180028

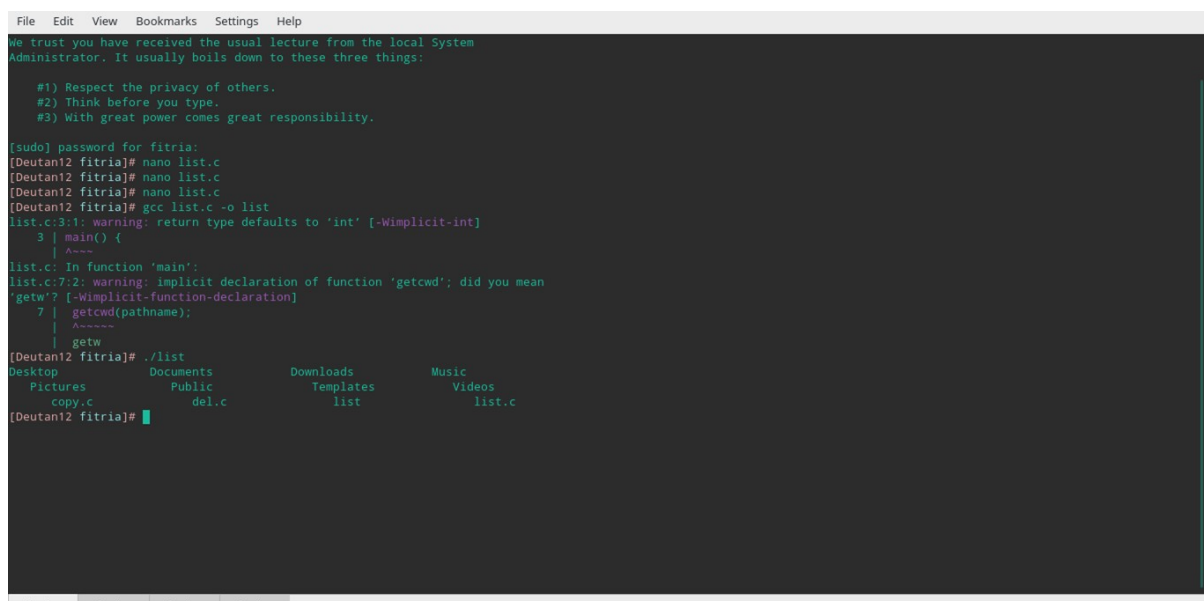
Kelas : A

Modul 10 (Simulasi Command)



```
GNU nano 4.5 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]# 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    Documents  Downloads  Music      Videos
Pictures   Public    Templates  list       list.c
copy.c     del.c     list
```

```
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;
            }
        }

        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;
                    }
                }
            }
        }
    }
}
```

Read 55 lines

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```
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;
                    }
                }
            }
        }
    }
}
```

Read 55 lines

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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
[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);
}

Get Help Write Out Where Is Cut Text Justify Cur Pos Undo Mark Text To Bracket Previous
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);
}

NG Get Help  NG Write Out  AW Where Is  AX Cut Text  AJ Justify  AC Cur Pos  MU Undo  MA Mark Text  MB To Bracket  MC Previous
NX Exit      AR Read File  AW Replace  AP Paste Text  AT To Spell  AG Go To Line  ME Redo  MG Copy Text  MQ Where Was  MV Next
```

```
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:6:1: 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)
       |                  ^~~~~
       |                  fread
copy.c:27:7: warning: implicit declaration of function 'write'; did you mean 'fwrite'? [-Wimplicit-function-declaration]
    27 | if (write(dst, buf, nread) == -1)
       |     ^~~~~
       |     fwrite
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]#
```

```
File Edit View Bookmarks Settings Help
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]);
}

[ Read 20 lines ]
NG Get Help  NG Write Out  AW Where Is  AX Cut Text  AJ Justify  AC Cur Pos  MU Undo  MA Mark Text  MB To Bracket  MC Previous
NX Exit      AR Read File  AW Replace  AP Paste Text  AT To Spell  AG Go To Line  ME Redo  MG Copy Text  MQ Where Was  MV Next
```

```
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]#
```