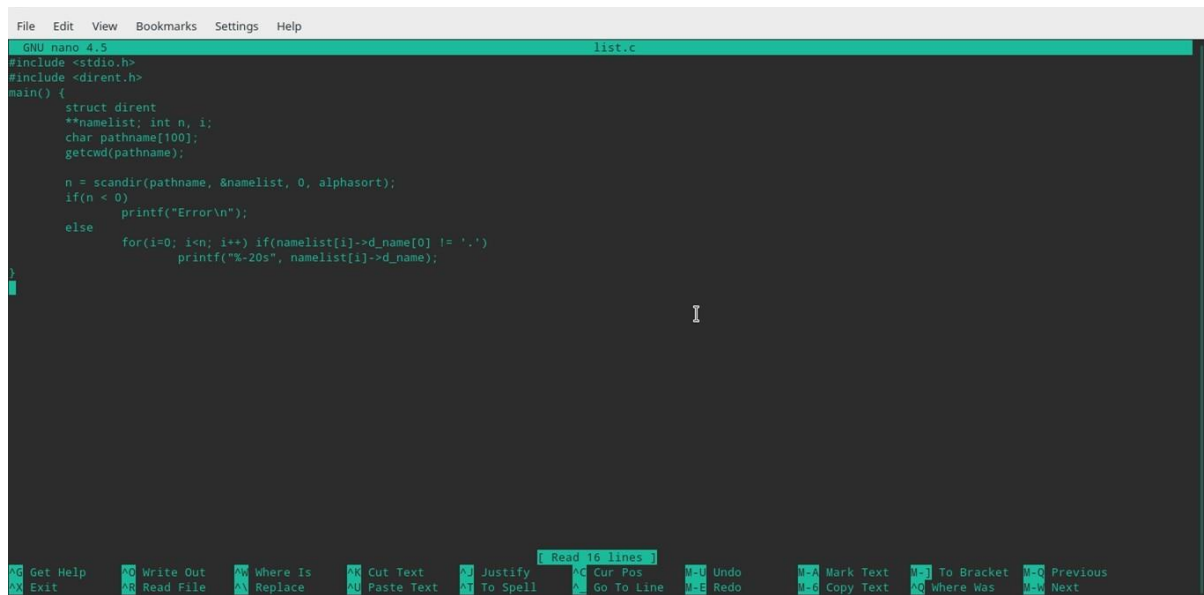


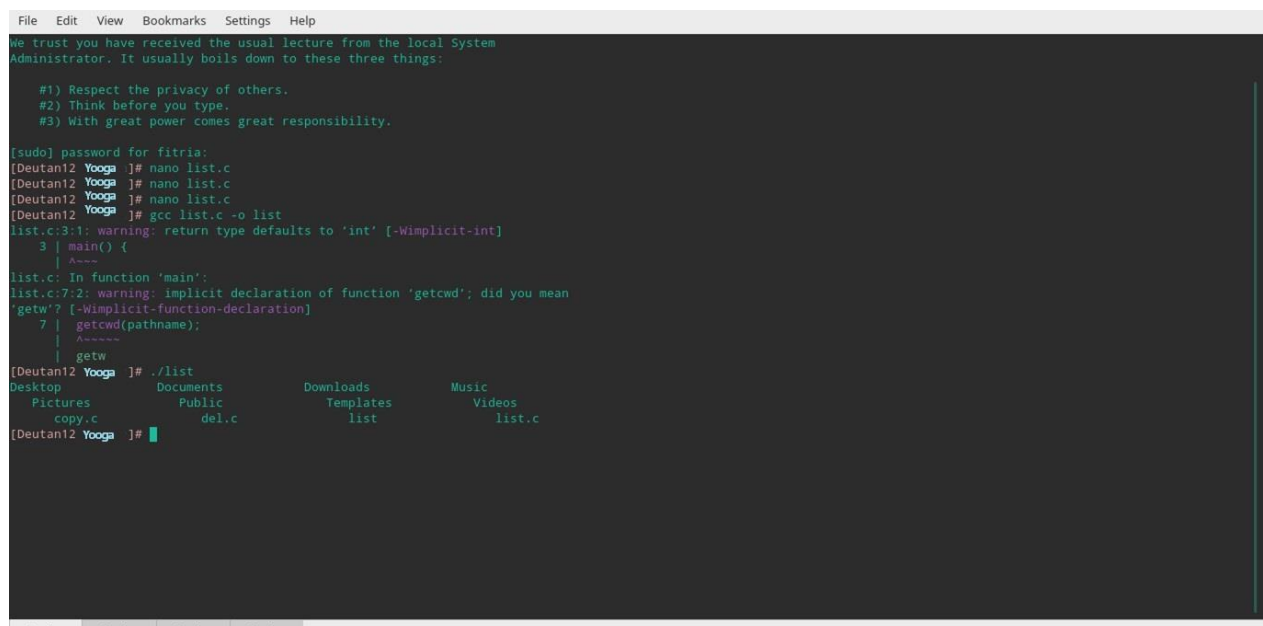
Nama : Yoga Ade P
NIM : L200180204
Kelas : A

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 Yooga ]# nano list.c
[Deutan12 Yooga ]# nano list.c
[Deutan12 Yooga ]# nano list.c
[Deutan12 Yooga ]# 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 Yooga ]# ./list
Desktop  Documents  Downloads  Music
Pictures  Public  Templates  Videos
copy.c  del.c  list  list.c
[Deutan12 Yooga ]#
```

```
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 (!)
        {
            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];
                    if (strcmp(temp, argv[1]) == 0)
                    {
                        printf("%s\n", str);
                        break;
                    }
                }
            }
        }

        if (feof(fd))
        {
            str[i++] = '\0'; break;
        }
    }
}
```

Read 55 lines

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 mygrep.c
}
while (!feof(fd))
{
    i = 0;
    while (!)
    {
        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];
                if (strcmp(temp, argv[1]) == 0)
                {
                    printf("%s\n", str);
                    break;
                }
            }
        }
    }

    if (feof(fd))
    {
        str[i++] = '\0'; break;
    }
}
}
```

Read 55 lines

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

```
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);
}

GO Get Help  GO Write Out  MW Where Is  MX Cut Text  JV Justify  AG Cur Pos  M-U Undo  M-A Mark Text  M-] To Bracket  M-C Previous
XX Exit      RR Read File  AR Replace  AL Paste Text  AT To Spell  AG Go To Line  M-E Redo  M-B Copy Text  M-^ Where Was  M-W 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);
}
^_
G Get Help  W Write Out  W Where Is  C Cut Text  J Justify  C Cur Pos  U Undo  M Mark Text  T To Bracket  P Previous
X Exit      R Read File  A Replace  A Paste Text  T To Spell  A Go To Line  E Redo  E Copy Text  Q Where Was  W Next
```

```
File Edit View Bookmarks Settings Help
[fitria@Deutan12 ~]$ sudo su
[sudo] password for Yoga:
[Deutan12 Yoga ~]$ nano copy.c
[Deutan12 Yoga ~]$ 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 Yoga ~]$ ./copy copy nama.txt
[Deutan12 Yoga ~]$ ./copy nama.txt namaku
[Deutan12 Yoga ~]$ ./copy nama.txt namaku.txt
[Deutan12 Yoga ~]$
~: bash X ~: bash X ~: bash X ~: bash X
```

```
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]);
}
^_
G Get Help  W Write Out  W Where Is  C Cut Text  J Justify  C Cur Pos  U Undo  M Mark Text  T To Bracket  P Previous
X Exit      R Read File  A Replace  A Paste Text  T To Spell  A Go To Line  E Redo  E Copy Text  Q Where Was  W Next
[ Read 20 lines ]
```

File Edit View Bookmarks Settings Help

```
[fitri@Deutan12 ~]$ sudo su
[sudo] password for Yogga:
[Deutan12 Yogga]# nano del.c
[Deutan12 Yogga]# 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 Yogga]# ./del nama.txt
[Deutan12 Yogga]#
```

~ nano x ~ nano x ~ nano x ~ bash x