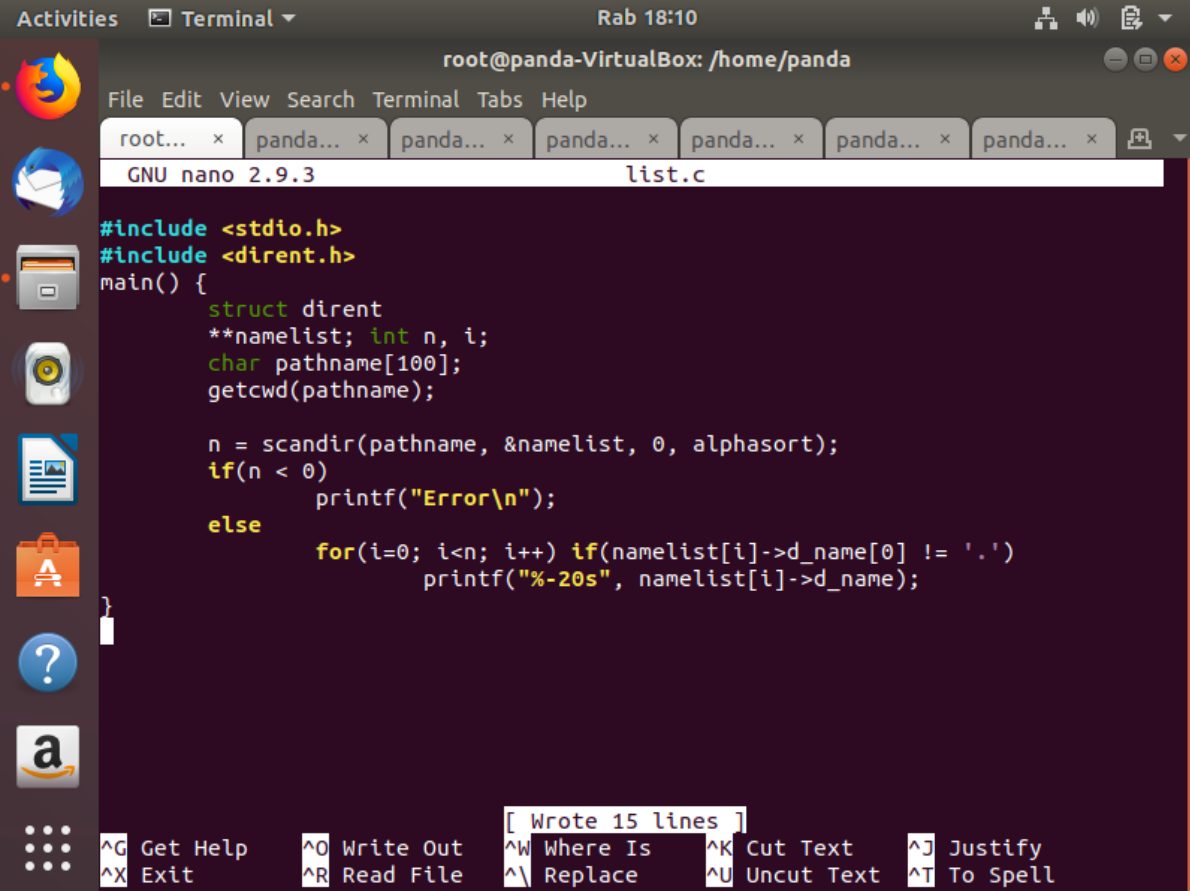


NAMA : DHIYA ULHAQ A

NIM : L200180009

MODUL 10



```
root@panda-VirtualBox: /home/panda
File Edit View Search Terminal Tabs Help
root... x panda... x panda... x panda... x panda... x panda... x panda... x
GNU nano 2.9.3 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);
}

[ Wrote 15 lines ]
^G Get Help      ^O Write Out     ^W Where Is      ^K Cut Text      ^J Justify
^X Exit          ^R Read File     ^\ Replace       ^U Uncut Text    ^T To Spell
```

Activities Terminal ▾ Rab 18:23

panda@panda-VirtualBox: ~

File Edit View Search Terminal Tabs Help

root... x panda... x panda... x panda... x panda... x panda... x panda... x

```
panda@panda-VirtualBox:~$ gcc list.c -o list
list.c:3:1: warning: return type defaults to 'int' [-Wimplicit-int]
main() {
~~~~~
list.c: In function 'main':
list.c:7:2: warning: implicit declaration of function 'getcwd'; did you mean 'getw'? [-Wimplicit-function-declaration]
  getcwd(pathname);
  ~~~~~~
  getw
panda@panda-VirtualBox:~$ ./list
```

Desktop	Documents	Downloads	Music
Pictures	Public	Templates	Videos
copy.c	del.c	examples.desktop	list
list.c	mygrep	mygrep.c	panda@panda-Virt

ualBox:~\$

Activities Terminal ▾ Rab 18:13

panda@panda-VirtualBox: ~

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root... x panda... x panda... x panda... x panda... x panda... x panda... x

GNU nano 2.9.3 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 exist\n", argv[2]);
        exit(-1);
    }
}
```

^G Get Help   ^O Write Out   ^W Where Is   ^K Cut Text   ^J Justify  
^X Exit   ^R Read File   ^\ Replace   ^U Uncut Text   ^T To Spell

Activities Terminal ▾ Rab 18:14

panda@panda-VirtualBox: ~

File Edit View Search Terminal Tabs Help

root... x panda... x panda... x panda... x panda... x panda... x panda... x

GNU nano 2.9.3 mygrep.c

```
{
    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 exist\n",argv[2]);
    exit(-1);
}
while(!feof(fd))
{
    i = 0;
    while(1)
    {
        c = fgetc(fd);
        if(feof(fd))
        {
            str[i++] = '\0'; break;
        }
    }
}
```

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify  
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell

Activities Terminal ▾ Rab 18:16

panda@panda-VirtualBox: ~

File Edit View Search Terminal Tabs Help

root... x panda... x panda... x panda... x panda... x panda... x panda... x

GNU nano 2.9.3 mygrep.c

```
exit(-1);
}
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++)
    {

```

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify  
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell

Activities Terminal ▾ Rab 18:16

panda@panda-VirtualBox: ~

File Edit View Search Terminal Tabs Help

root... x panda... x panda... x panda... x panda... x panda... x panda... x

GNU nano 2.9.3 mygrep.c

```
    }
    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;
    }
}
}
```

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify  
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell

Activities Terminal ▾ Rab 18:24

panda@panda-VirtualBox: ~

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root... x panda... x panda... x panda... x panda... x panda... x panda... x

panda@panda-VirtualBox:~\$ gcc mygrep.c -o mygrep  
mygrep.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]  
main(int argc,char \*argv[]) {  
 ~~~~  
panda@panda-VirtualBox:~\$ ./mygrep include list.c  
#include <stdio.h>  
#include <dirent.h>  
panda@panda-VirtualBox:~\$

Activities Terminal ▾ Rab 18:18

panda@panda-VirtualBox: ~

File Edit View Search Terminal Tabs Help

root... x panda... x panda... x panda... x panda... x panda... x panda... x

GNU nano 2.9.3 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]);
```

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify  
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell

Activities Terminal ▾ Rab 18:19

panda@panda-VirtualBox: ~

File Edit View Search Terminal Tabs Help

root... x panda... x panda... x panda... x panda... x panda... x panda... x

GNU nano 2.9.3 copy.c

```
        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);
        }
    }
```

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify  
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell

Activities Terminal ▾ Rab 18:20

panda@panda-VirtualBox: ~

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root... x panda... x panda... x panda... x panda... x panda... x panda... x

GNU nano 2.9.3 copy.c

```
        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);
    clode(dst);
}
```

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify  
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell

Activities Terminal ▾ Rab 20:45

panda@panda-VirtualBox: ~

File Edit View Search Terminal Tabs Help

root... x panda... x panda... x panda... x panda... x panda... x panda... x

```
panda@panda-VirtualBox:~$ gcc copy.c -o copy
copy.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]) {
~~~~~
copy.c: In function 'main':
copy.c:25:18: warning: implicit declaration of function 'read'; did you mean 'f
read'? [-Wimplicit-function-declaration]
    while ((nread = read(src, buf, SIZE)) > 0)
                   ~~~~~
                   fread
copy.c:27:7: warning: implicit declaration of function 'write'; did you mean 'f
write'? [-Wimplicit-function-declaration]
    if (write(dst, buf, nread) == -1)
        ~~~~~
        fwrite
copy.c:33:2: warning: implicit declaration of function 'close'; did you mean 'p
close'? [-Wimplicit-function-declaration]
    close(src);
    ~~~~~
    pclose
panda@panda-VirtualBox:~$ ./copy copy.c dudu
```

Activities Terminal ▾ Rab 18:21

panda@panda-VirtualBox: ~

File Edit View Search Terminal Tabs Help

root... x panda... x panda... x panda... x panda... x panda... x panda... x

GNU nano 2.9.3 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]);
}
```

[ Wrote 19 lines ]

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^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell

Activities Terminal ▾ Rab 20:29

panda@panda-VirtualBox: ~

File Edit View Search Terminal Tabs Help

root... x panda... x panda... x panda... x panda... x panda... x panda... x

```
panda@panda-VirtualBox:~$ gcc del.c -o del
del.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
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]
    close(fd);
    ~~~~~
    pclose
del.c:16:3: warning: implicit declaration of function 'unlink'; did you mean 'unix'? [-Wimplicit-function-declaration]
    unlink(argv[1]);
    ~~~~~
    unix
panda@panda-VirtualBox:~$ ./del Lama
panda@panda-VirtualBox:~$
```