

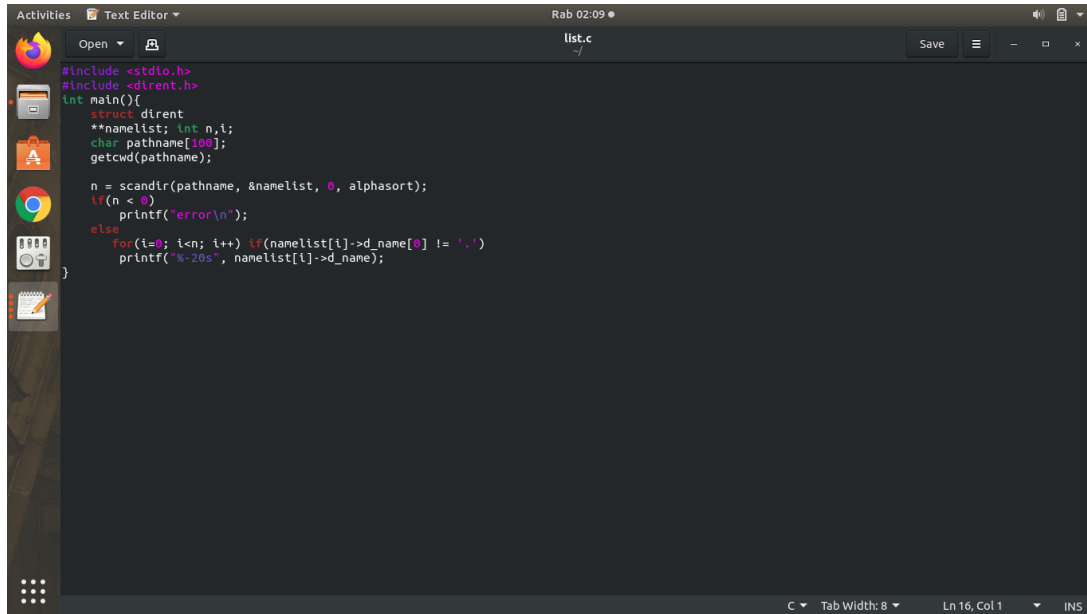
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**NIM : L200180117**

**KELAS : C**

## **TUGAS BAB 10**

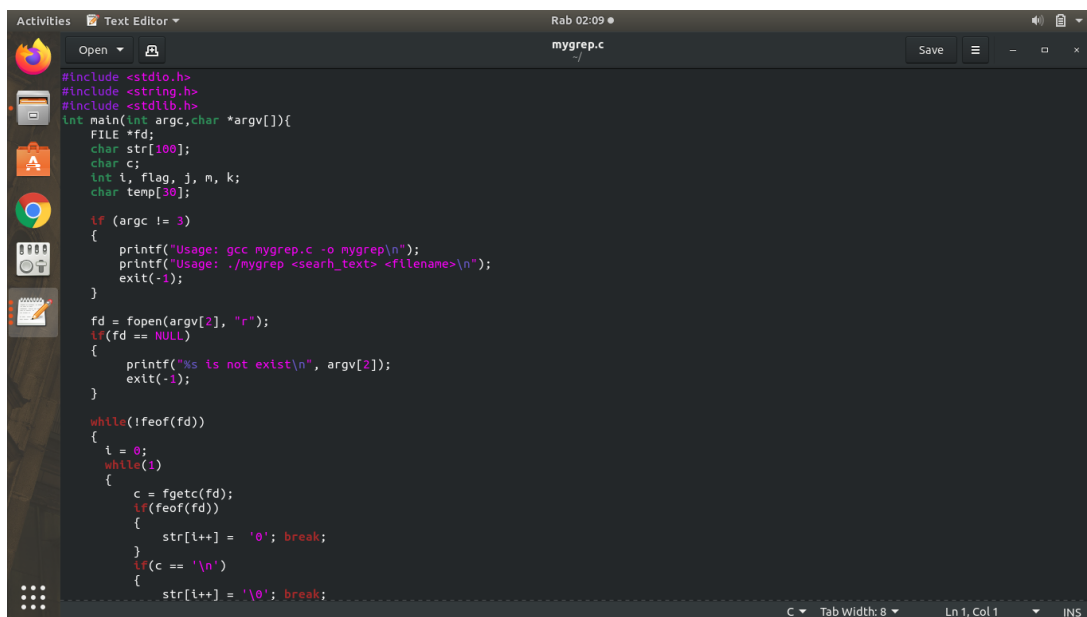
List



```
Activities Text Editor Rab 02:09
list.c
#include <stdio.h>
#include <dirent.h>
int 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);
}
```

Mygrep

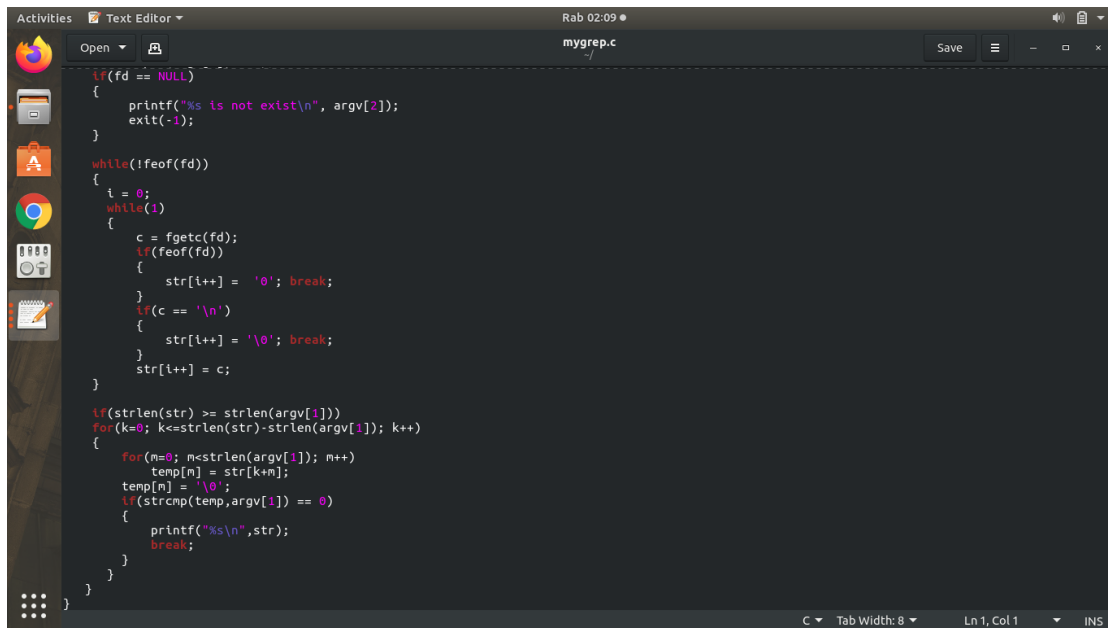


```
Activities Text Editor Rab 02:09
mygrep.c
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
int main(int argc, char *argv[]){
    FILE *fd;
    char str[100];
    char c;
    int i, flag, j, m, k;
    char temp[30];

    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);
    }

    while(!feof(fd))
    {
        i = 0;
        while(1)
        {
            c = fgetc(fd);
            if(feof(fd))
            {
                str[i++] = '\0'; break;
            }
            if(c == '\n')
            {
                str[i++] = '\0'; break;
            }
        }
    }
}
```



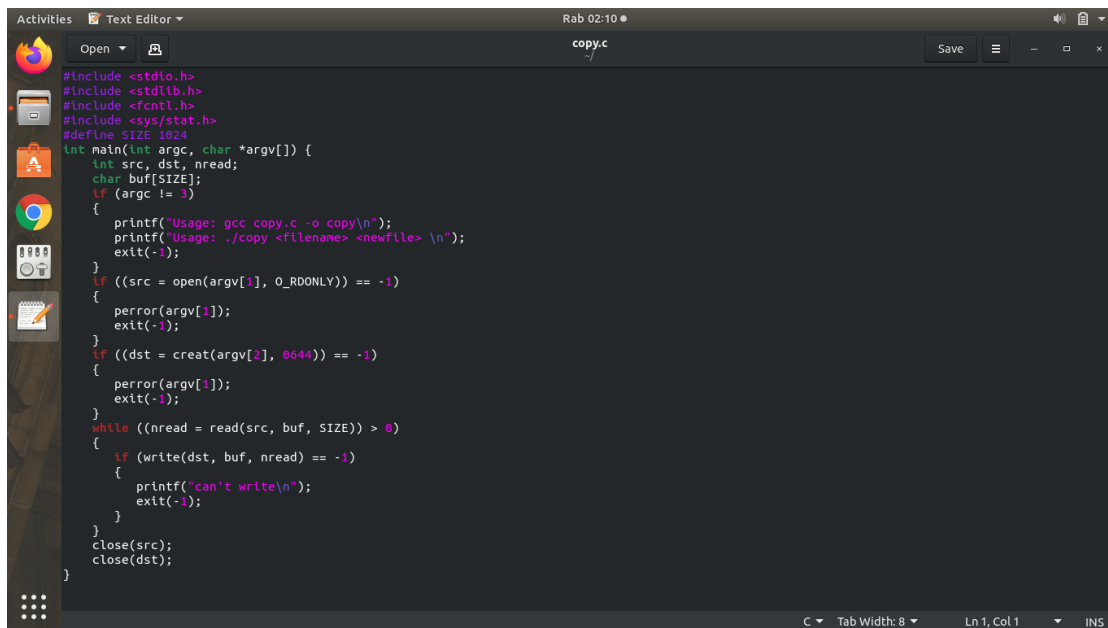
The screenshot shows a text editor window titled 'mygrep.c' with the following C code:

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

## Copy

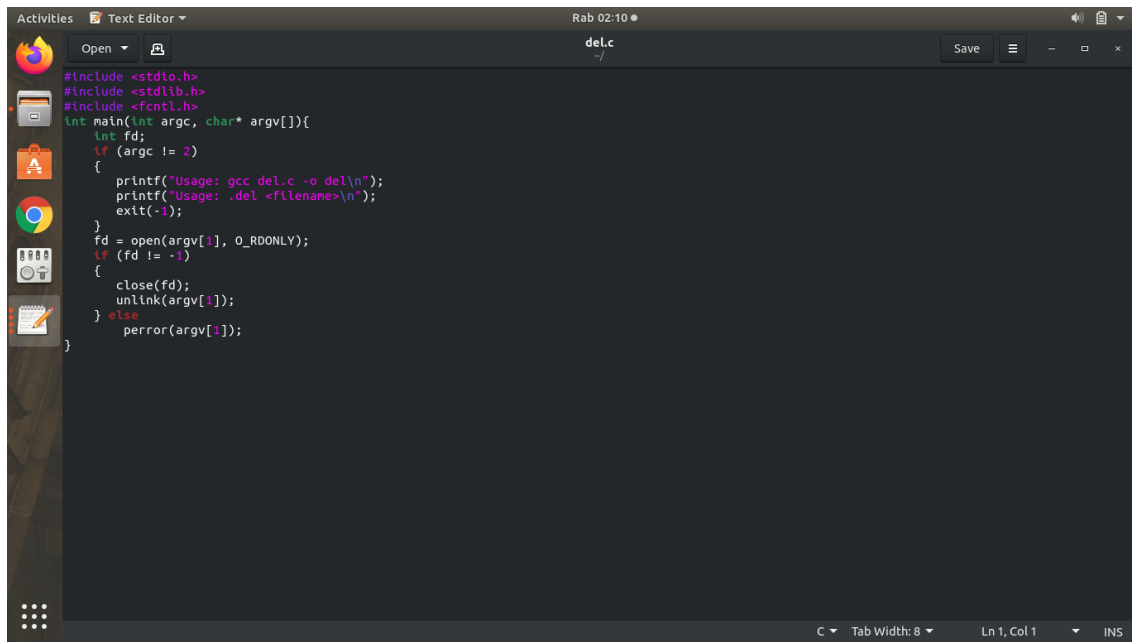


The screenshot shows a text editor window titled 'copy.c' with the following C code:

```
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <sys/stat.h>
#define SIZE 1024

int 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);
}
```

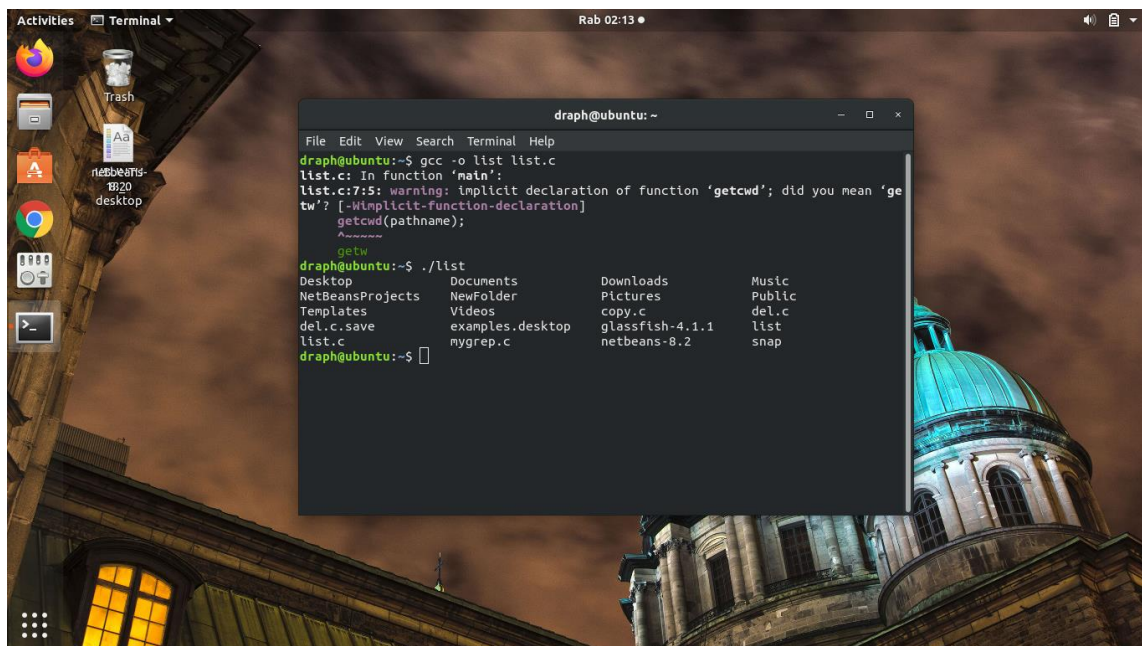
## Del



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

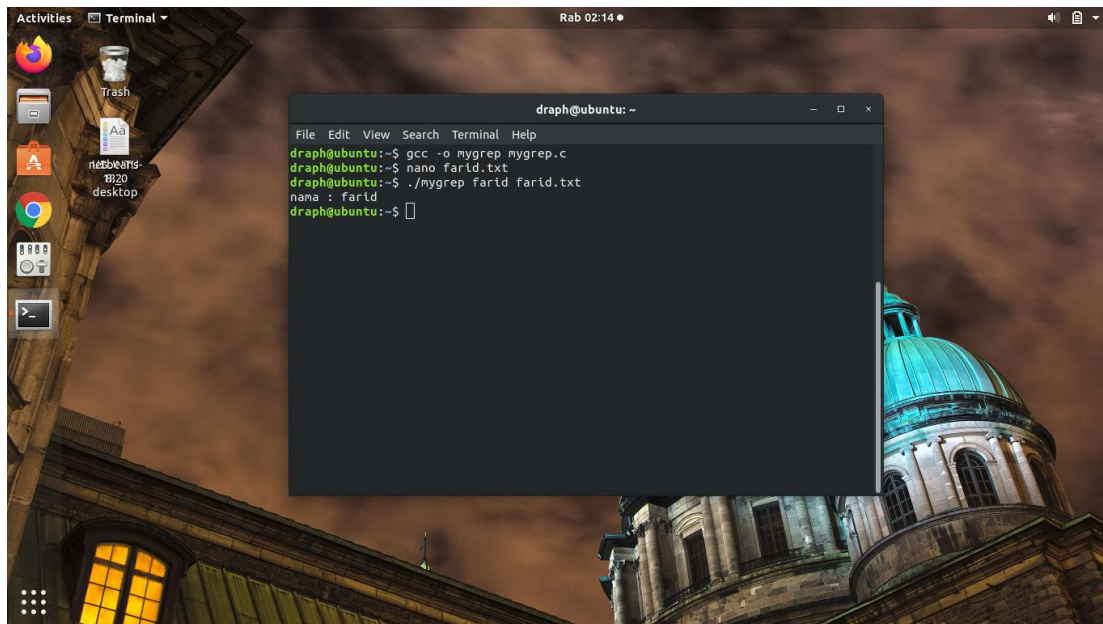
int main(int argc, char* argv[]){
    int fd;
    if (argc != 2)
    {
        printf("Usage: gcc del.c -o del\n");
        printf("Usage: .del <filename>\n");
        exit(-1);
    }
    fd = open(argv[1], O_RDONLY);
    if (fd != -1)
    {
        close(fd);
        unlink(argv[1]);
    } else
        perror(argv[1]);
}
```

## Hasil List

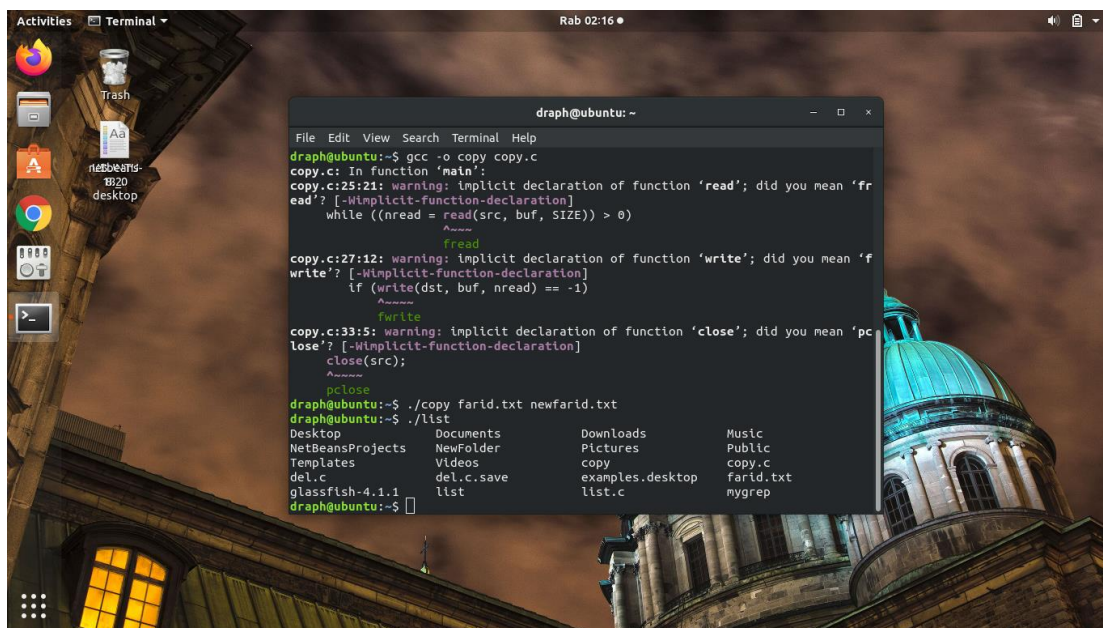


```
draph@ubuntu: ~
File Edit View Search Terminal Help
draph@ubuntu:~$ gcc -o list list.c
list.c: In function 'main':
list.c:7:5: warning: implicit declaration of function 'getcwd'; did you mean 'get
tw'? [-Wimplicit-function-declaration]
    getcwd(pathname);
    ^~~~~~
draph@ubuntu:~$ ./list
Desktop      Documents   Downloads   Music
NetBeansProjects NewFolder  Pictures    Public
Templates    Videos     copy.c      del.c
del.c.save   examples.desktop glassfish-4.1.1 list
list.c       mygrep.c    netbeans-8.2 snap
draph@ubuntu:~$
```

## Hasil Mygrep

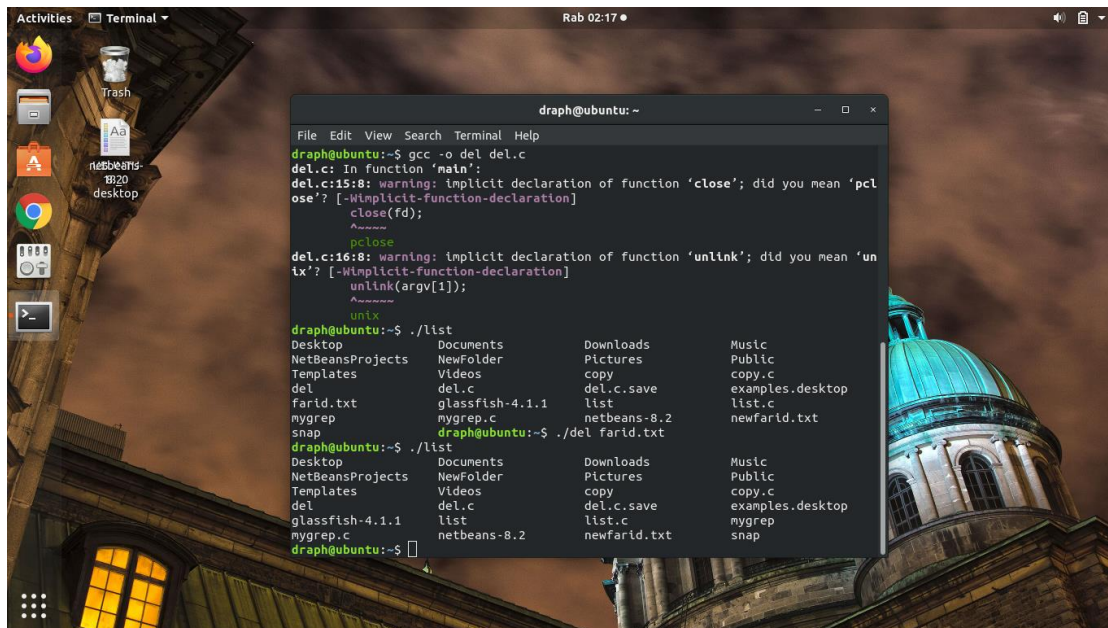


## Hasil Copy



## Hasil List





## Farid.txt

