

MODUL 10

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NIM : L200170037

```
l20017037@l20017037-VirtualBox: ~/L037
File Edit View Search Terminal Help
l20017037@l20017037-VirtualBox:~$ cd L037
l20017037@l20017037-VirtualBox:~/L037$ gcc -o list list.c
list.c: In function 'main':
list.c:7:2: warning: implicit declaration of function 'getcwd'; did you mean 'getw'? [-Wimplicit-function-declaration]
  cwd = getcwd (pathname);
         ^~~~~~
         getw
l20017037@l20017037-VirtualBox:~/L037$ gcc -o mygrep mygrep.c
l20017037@l20017037-VirtualBox:~/L037$ gcc -o copy copy.c
copy.c: In function 'main':
copy.c:25:18: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
  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]
  if (write(dst, buf, nread) == -1)
      ^~~~~
      fwrite
copy.c:33:2: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
  close(src);
  ^~~~~
  pclose
```

```
l20017037@l20017037-VirtualBox: ~/L037
File Edit View Search Terminal Help
l20017037@l20017037-VirtualBox:~/L037$ gcc -o del del.c
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
l20017037@l20017037-VirtualBox:~/L037$ gedit L037.txt
l20017037@l20017037-VirtualBox:~/L037$ ./mygrep saya L037.txt
Nama saya Al
l20017037@l20017037-VirtualBox:~/L037$ ./mygrep dari L037.txt
Saya dari Sukoharjo
l20017037@l20017037-VirtualBox:~/L037$ ./mygrep prodi L037.txt
l20017037@l20017037-VirtualBox:~/L037$ ./mygrep Prodi L037.txt
Prodi Informatika
l20017037@l20017037-VirtualBox:~/L037$
```

```
Open  copy.c  Save
~/L037

#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("cant write\n");
            exit(-1);
        }
    }
    close(src);
    close(dst);
}

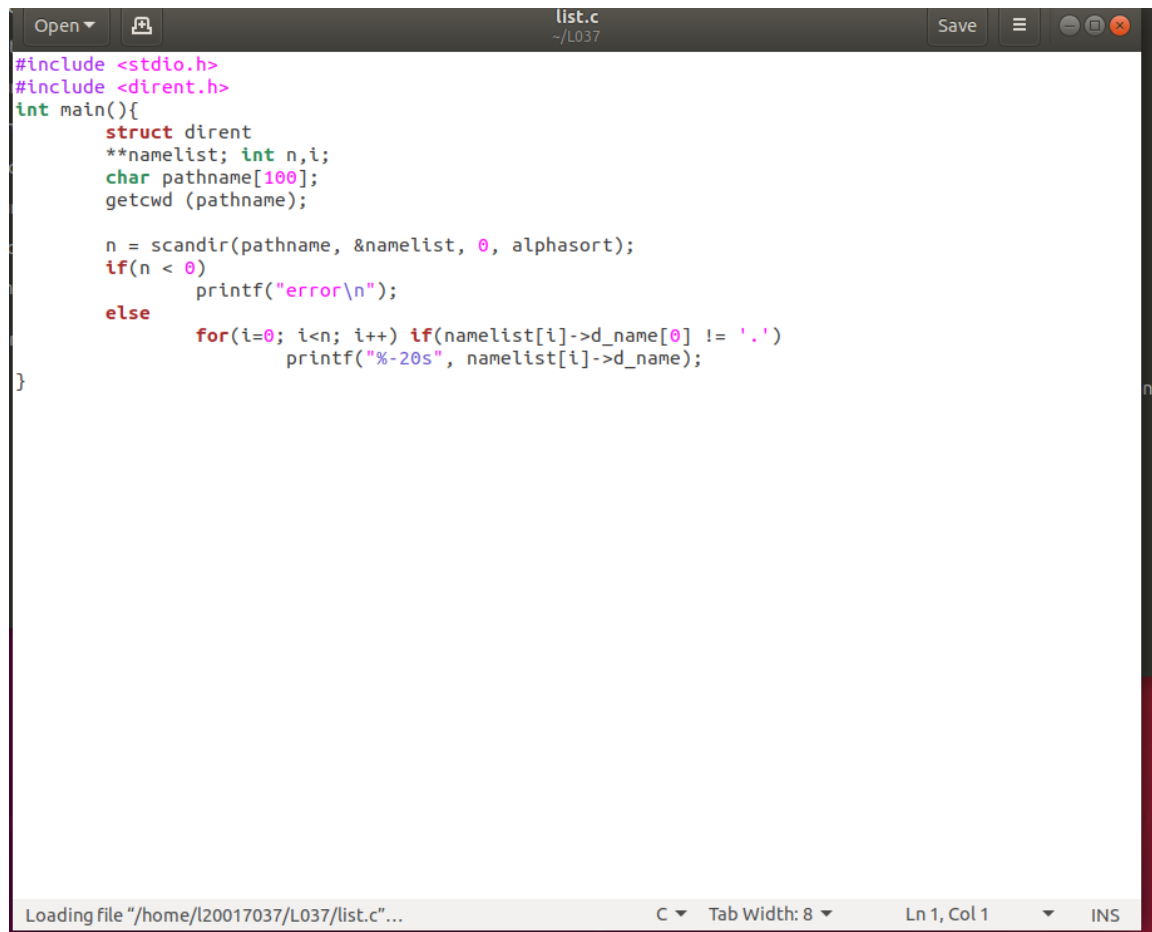
Loading file "/home/l20017037/L037/copy.c"...  C Tab Width: 8 Ln 1, Col 1 INS
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```
Open  del.c  Save
~/L037

#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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```



```
#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);
}
```

ns

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```
Open mygrep.c Save
#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;
            }
        }
    }
}
```

Loading file "/home/l20017037/L037/mygrep.c"...

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