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Kelas : B

MODUL10

1. Masuk ke direktori nim, kemudian ketik "gedit list.c", tulis Kode Program dan save

```
list.c
          Æ
                                                                              ≣
                                                                                  Open ▼
#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);
                                             C ▼ Tab Width: 8 ▼
                                                                   Ln 5, Col 27 ▼
                                                                                     INS
```

2. Compile dengan "gcc –o list list.c" (enter), kemudian ketikkan "./list" (enter). Fungsi list itu sama seperti fungsi ls

```
yussynta@yussynta-VirtualBox: ~/L200170084
                                                                                     File Edit View Search Terminal Help
yussynta@yussynta-VirtualBox:~$ cd L200170084
yussynta@yussynta-VirtualBox:~/L200170084$ gedit list.c
yussynta@yussynta-VirtualBox:~/L200170084$ gcc -o list list.c
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 'ge
tw'? [-Wimplicit-function-declaration]
  getcwd(pathname);
yussynta@yussynta-VirtualBox:~/L200170084$ ./list
                      copy
dirlist.c
084.txt
                                             сору.с
                                                                    del
del.c
                                             exec.c
                                                                    fappend
                      fcreat
                                                                    fork.c
fappend.c
                                             fcreat.c
                                                                    list.c
                                             list
fread
                      fread.c
мудгер
                      mygrep.c
                                             stat.c
                                                                    wait.c
yussynta@yussynta-VirtualBox:~/L200170084$
```

3. Kemudian lanjutkan dengan "gedit mygrep.c", tulis Kode Program seperti pada gambar di bawah dan save

```
mygrep.c
          Æ
                                                                             ≣
                                                                                  Open ▼
#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);
        }
        while(!feof(fd))
                i = 0;
                mb41a(1)
                                             C ▼ Tab Width: 8 ▼
                                                                   Ln 22, Col 20
                                                                                    INS
```

```
mygrep.c
Open ▼
         Æ
                                                                                ≣
                                                                                    {
                        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++)</pre>
               {
                        for(m=0; m<strlen(argv[1]);m++)</pre>
                                temp[m] = str[k+m];
                        temp[m] = ' \setminus 0';
                        if(strcmp(temp,argv[1]) == 0)
                        {
                                printf("%s\n",str);
                                break;
                        }
               }
      }
                                             C ▼ Tab Width: 8 ▼
                                                                    Ln 22, Col 20
                                                                                       INS
```

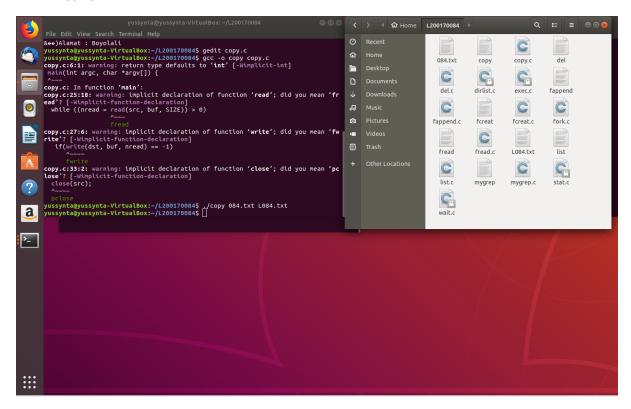
4. Kemudian compile dengan "gcc –o mygrep mygrep.c", kemudian ketikkan "./mygrep Nama 084.txt", **NB:** Nama = kata yang di cari dalam 084.txt

```
yussynta@yussynta-VirtualBox: ~/L200170084
File Edit View Search Terminal Help
 main() {
list.c: In function 'main':
list.c:7:2: warning: implicit declaration of function 'getcwd'; did you mean 'ge
tw'? [-Wimplicit-function-declaration]
  getcwd(pathname);
yussynta@yussynta-VirtualBox:~/L200170084$ ./list
084.txt
                      сору
                                                                  del
                                            copy.c
                      dirlist.c
del.c
                                            exec.c
                                                                  fappend
                                            fcreat.c
fappend.c
                     fcreat
                                                                  fork.c
                                            list
                                                                  list.c
fread
                      fread.c
mygrep
                      mygrep.c
                                            stat.c
                                                                  wait.c
yussynta@yussynta-VirtualBox:~/L200170084$ gedit mygrep.c
yussynta@yussynta-VirtualBox:~/L200170084$ gcc -o mygrep mygrep.c
mygrep.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]) {
yussynta@yussynta-VirtualBox:~/L200170084$ ./mygrep Nama 084.txt
Nama : Yussynta Dewi A.P
yussynta@yussynta-VirtualBox:~/L200170084$ ./mygrep Alamat 084.txt
&��)Alamat : Boyolali
yussynta@yussynta-VirtualBox:~/L200170084$
```

5. Lanjutkan dengan "gedit copy.c", tuliskan Kode Program seperti pada gambar di bawah dan save

```
Save ≡ □ □
 Open ▼
#include
          <stdio.h>
            stdlib.h>
#include
          <fcntl.h>
#include
           <svs/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):
         close(dst);
                                         C ▼ Tab Width: 8 ▼ Ln 34, Col 20 ▼ INS
```

6. Kemudian compile "gcc –o copy copy.c" (enter), kemudian ketikkan "./copy 084.txt L084.txt", NB: seperti fungsi copy biasa, file 084.txt akan tercopy dengan nama baru L084.txt. bisa melihatnya dengan membuka dokomennya atau dengan perintah ls, seperti pada gambar di bawah:



7. Lanjutkan dengan "gadit del.c", tulis Kode Programseperti pda gabar di bawah ini dan klik save

```
del.c
                                                                                   Æ
                                                                               Е
 Open ▼
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
main(int argc, char* argv[]) {
        int fd;
        if (argc != 2)
        {
                printf("Usage: gc del.c -o del\n");
                printf("Usage: ./del <flename>\n");
                exit(-1);
        fd = open(argv[1], O_RDONLY);
        if (fd != -1)
        {
                close(fd);
                unlink(argv[1]);
        } else
                perror(argv[1]);
                                              C ▼ Tab Width: 8 ▼
                                                                    Ln 12, Col 25
                                                                                      INS
```

8. Compile file "gcc –o del del.c" (enter), kemudian tuliskan "./del L084.txt", untuk menghapus file L084.txt, bisa di lihat pada gambar di bawah:

