LAPORAN PRAKTIKUM SISTEM OPERASI



Disusun oleh:

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PROGRAM STUDI TEKNIK INFROMATIKA
FAKULTAS KOMUNIKASI DAN INFORMATIKA
UNIVERSITAS MUHAMMADIYAH SURAKARTA
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Lembar Kerja Modul 10

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Tanggal Praktikum	:-	

TUGAS

1. List.c untuk menampilkan file yang ada

```
ardi@ardi-VirtualBox: ~/Desktop
ardi@ardi-VirtualBox:~/Desktop$ nano list.c
ardi@ardi-VirtualBox:~/Desktop$ gcc -o list list.c
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 'g
etw'? [-Wimplicit-function-declaration]
    7 | getcwd(pathname);
| getw
ardi@ardi-VirtualBox:~/Desktop$ ./list list.c
a.out
                                                                 del
                     сору
                                           copy.c
                      dirlist.c
                                                                   file.txt
 del.c
                                            exec.c
  fork.c
                        list
                                             list.c
                                                                   mygep.c
                                                                    wait.c
                                              stat.c
   тудгер
                        mygrep.c
```

```
GNU nano 4.8
                                       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);
}
```

2. Mygrep.c untuk menampilkan teks atau kata yang ingin dicari dari file.txt

```
Activities

    Terminal ▼

                                                            Des 20 20:13
                                                                                             Q ≡
                                                ardi@ardi-VirtualBox: ~/Desktop
           GNU nano 4.8
                                                              mygrep.c
        #include <stdio.h>
#include <string.h>
#include <stdlib.h>
        main(int argc,char *argv[]) {
    FILE *fd;
    char str[100];
                    char c;
that i, flag, j, m, k;
temm[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 ==
         printf("%s is not exist\n",argv[2]);
                                exit(-1);
                    while(!feof(fd))
                                                     [ Read 54 lines ]
```

```
i = 0;
while(1)
                                c = fgetc(fd);
o
                                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] =
                                if(strcmp(temp,argv[1]) == 0)
                                         printf("%s\n",str);
                                }
```

Code mygrep.c

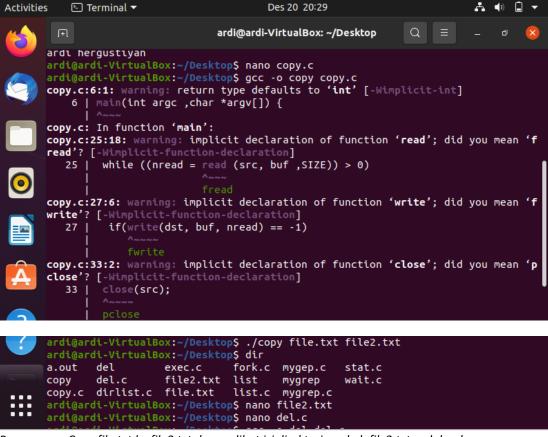


Isi teks dari file.txt

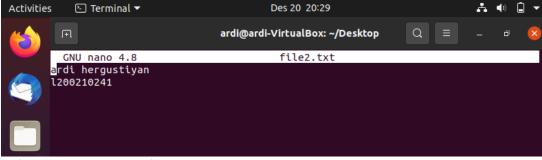
3. Copy.c digunakan untuk mengopy isi dari isi file.txt

```
Activities
            Terminal ▼
                                                  Des 20 20:25
                                                                                         ∸ ())
                                        ardi@ardi-VirtualBox: ~/Desktop
                                                                            Q =
         GNU nano 4.8
                                                    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 -cpy\n");
printf("Usage: ./copy <filename> <newfile> \n");
                          exit(-1);
                    ((src =open(argv[1], 0_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);
```

Program copy.c

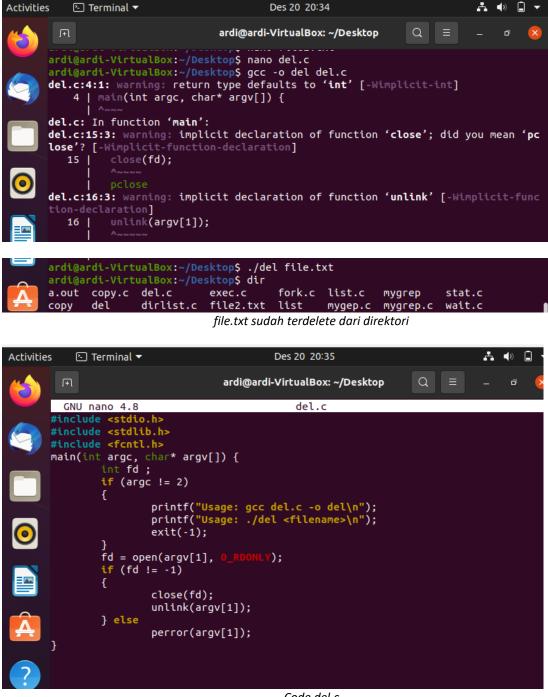


Proses mengCopy file.txt ke file2.txt dan melihat isi direktori aoakah file2.txt sudah ada



Isi file2.txt sudah mencopy file.txt

4. Del.c untuk menghapus file



Code del.c