PRAKTIKUM SISTEM OPERASI MODUL 10: SIMULASI COMMAND (PERINTAH)



Penyusun:

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Kelas : E

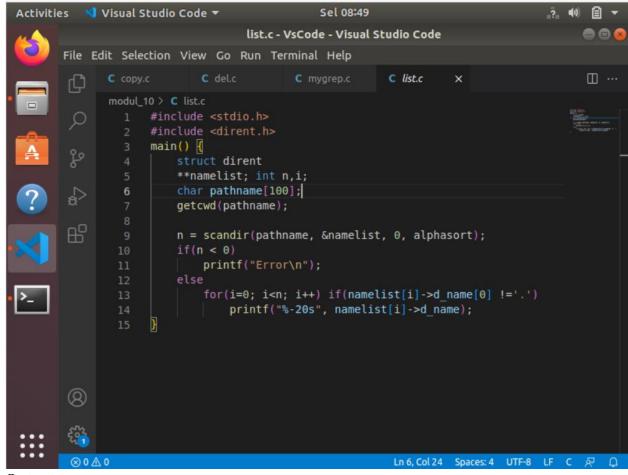
Mata Kuliah : Praktikum Sistem Operasi

Program Studi : Informatika

PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS KOMUNIKASI DAN INFORMATIKA
UNIVERSITAS MUHAMMADIYAH SURAKARTA 2022

1. Program untuk mensimulasi perintah 'ls'

Kode program:



Output:

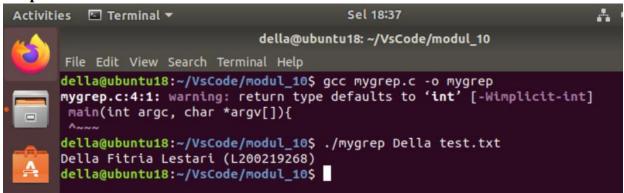
```
Sel 08:33
? • 10
                                         della@ubuntu18: ~/VsCode/modul_10
                                                                                                          File Edit View Search Terminal Help
        della@ubuntu18:~/VsCode/modul_10$ gcc list.c -o list
list.c:3:1: warning: return type defaults to 'int' [-Wimplicit-int]
        main() {
       list.c: In function 'main':
list.c:7:5: warning: implicit declaration of function 'getcwd'; did you mean 'g
etw'? [-Wimplicit-function-declaration]
              getcwd(pathname);
        della@ubuntu18:~/VsCode/modul_10$ ./list
                                                            сору.с
                                                                                      del
                                 copy
list
        a.out
                                                             list.c mygrep della@ubuntu18:~/VsCode/modul_10$
         del.c
          тудгер.с
                                    test.txt
```

2. Program untuk mensimulasi perintah 'grep'

Kode Program:

```
Activities 🤘 Visual Studio Code ▼
                                                   Sel 18:32
                                                                                         å •0 a ⋅
                                                                                                00
                                    mygrep.c - VsCode - Visual Studio Code
       File Edit Selection View Go Run Terminal Help
               C copy.c
                              C del.c
                                               C mygrep.c X C list.c
        D
               modul_10 > C mygrep.c
                      #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");
                           fd = fopen(argv[2], "r");
                           if(fd == NULL)
        (2)
                               printf("%s is not exist\n", argv[2]);
                               exit(-1);
        ર્જું
                           while(!feof(fd))
                               while(1)
                                    c = fgetc(fd);
        出
                                    if(feof(fd))
                                        str[i++] = '\0'; break;
                                    if(c == '\n')
                                        str[i++] = '\0'; break;
                                    str[i++] = c;
        (A)
                               if(strlen(str) >= strlen(argv[1]))
                               for(k=0; k<=strlen(str)-strlen(argv[1]); k++)
        503
                 45
                                    for(m=0; m<strlen(argv[1]); m++)</pre>
                                   temp[m] = str[k+m];
temp[m] = '\0';
                                    if(strcmp(temp,argv[1]) == 0)
        (Q)
                                                                Ln 1, Col 1 Spaces: 4 UTF-8 LF C 💀 🚨
```

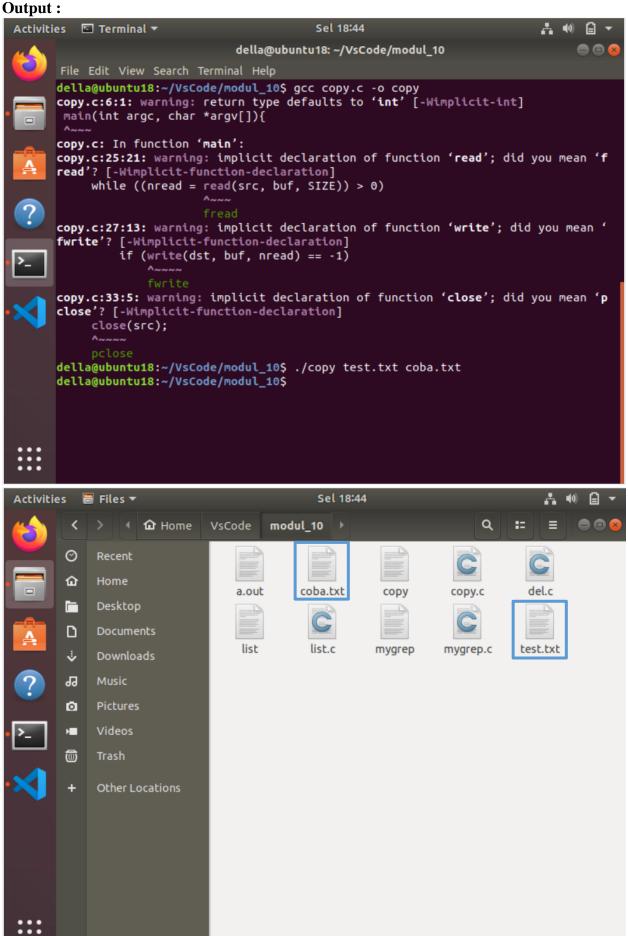
Output:



3. Program untuk mensimulasi perintah 'cp'

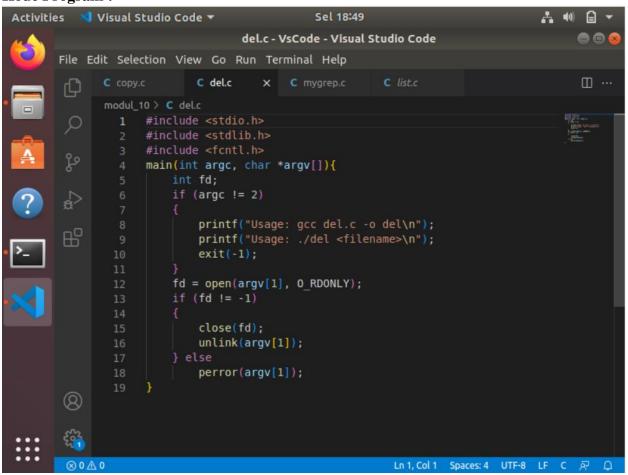
Kode Program:

```
Sel 18:43
Activities 💙 Visual Studio Code 🔻
                                                                                         å •0 a ⋅
                                      copy.c - VsCode - Visual Studio Code
                                                                                               00
       File Edit Selection View Go Run Terminal Help
               С сору.с
               modul_10 > C copy.c
                 #include <stdio.h>
#include <stdlib.h>
                      #include <sys/stat.h>
#define SIZE 1024
                      main(int argc, char *argv[]){
                          int src, dst, nread;
char buf[SIZE];
        RP
                          if (argc != 3)
                               printf("Usage: gcc copy.c -o copy\n");
                               printf("Usage: ./copy <filename> <newfile>\n");
                           if ((src = open(argv[1], 0_RDONLY)) == -1)
                               perror(argv[1]);
                               exit(-1);
        (2)
                           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");
        (2)
                           close(src);
                           close(dst);
                                                                Ln 1, Col 1 Spaces: 4 UTF-8 LF C R
```



4. Program untuk mensimulasi perintah 'rm'

Kode Program:



Output:

