PRAKTIKUM SISTEM OPERASI MODUL 9: FILE SYSTEM CALL



Penyusun:

Nama : Della Fitria Lestari

NIM : L200219268

Kelas : E

Mata Kuliah : Praktikum Sistem Operasi

Program Studi : Informatika

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

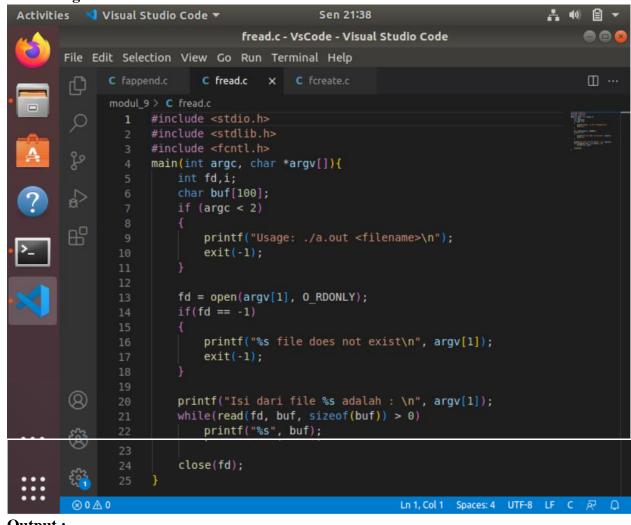
1. Membuat sebuah file dan menuliskan data di dalamnya

Kode program:

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               modul_9 > C fcreate.c
                     #include <stdlib.h>
                     #include <string.h>
                     main(int argc, char *argv[]){
  int fd, n, len;
                          char buf[100];
        留
                          if (argc != 2)
                              printf("Usage: ./a.out <filename>\n");
                              exit(-1);
                          fd = open(argv[1], 0_WRONLY|0_CREAT|0_TRUNC, 0644);
                          if(fd < 0)
                              printf("File creation problem\n");
                              exit(-1);
        (2)
                          printf("Tekan Ctrl+D di akhir baris:\n");
                          while((n = read(0, buf, sizeof(buf))) > 0)
                              len = strlen(buf);
                              write(fd, buf, len);
        (Q)
                          close(fd);
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```

Output:

2. Membaca sebuah file dan menampilkan isinya dilayar **Kode Program :**



Output:

```
della@ubuntu18: ~/VsCode/modul_9

File Edit View Search Terminal Help

della@ubuntu18: ~/VsCode/modul_9$ gcc -o fread fread.c

fread.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]

main(int argc, char *argv[]){

^~~~~~

fread.c: In function 'main':

fread.c: [-Wimplicit-function-declaration]

while(read(fd, buf, sizeof(buf)) > 0)

^~~~~

fread.c:24:5: warning: implicit declaration of function 'close'; did you mean '

pclose'? [-Wimplicit-function-declaration]

close(fd);

^~~~~~

della@ubuntu18:~/VsCode/modul_9$ ./fread test.txt

Isi dari file test.txt adalah:
Nama: Della Fitria Lestari

della@ubuntu18:~/VsCode/modul_9$
```

3. Menambah isi file

Kode Program:

```
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                                    fappend.c - VsCode - Visual Studio Code
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               C fappend.c X C fread.c
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        Ç
               modul_9 > C fappend.c
                      #include <string.h>
                      #include <stdlib.h>
#include <fcntl.h>
                      main(int argc, char *argv[]){
int fd, n, len;
                           char buf[100];
                           if (argc != 2)
        出
                               printf("Usage: ./a.out <filename>\n"); exit(-1);
                           fd = open(argv[1], 0 APPEND|0 WRONLY|0 CREAT, 0644);
                           if(fd < 0)
                               printf(argv[1]);
                               exit(-1);
                           while((n = read(0, buf, sizeof(buf))) > 0)
                               len = strlen(buf);
                               write(fd, buf, len);
         (2)
                           close(fd);
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                                                               Ln 26, Col 2 Spaces: 4 UTF-8 LF C 戻 Q
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```

Output:

```
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                                                                                                                       della@ubuntu18: ~/VsCode/modul_9
         File Edit View Search Terminal Help
        della@ubuntu18:~/VsCode/modul_9$ gcc -o fappend fappend.c
fappend.c:5:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]){
         fappend.c: In function 'main':
         fappend.c:15:9: warning: format not a string literal and no format arguments [-
        Wformat-security]
printf(argv[1]);
         fappend.c:19:16: warning: implicit declaration of function 'read'; did you mean
  'fread'? [-Wimplicit-function-declaration]
   while((n = read(0, buf, sizeof(buf))) > 0)
        fappend.c:22:9: warning: implicit declaration of function 'write'; did you mean
    'fwrite'? [-Wimplicit-function-declaration]
    write(fd, buf, len);
>_
         fappend.c:25:5: warning: implicit declaration of function 'close'; did you mean
     'pclose'? [-Wimplicit-function-declaration]
     close(fd);
        della@ubuntu18:~/VsCode/modul_9$ ./fappend test.txt
        NIM : L200219268
        della@ubuntu18:~/VsCode/modul_9$
```

Mengecek isi file test.txt untuk memastikan telah menambah isi file:

