

PRAKTIKUM SISTEM OPERASI

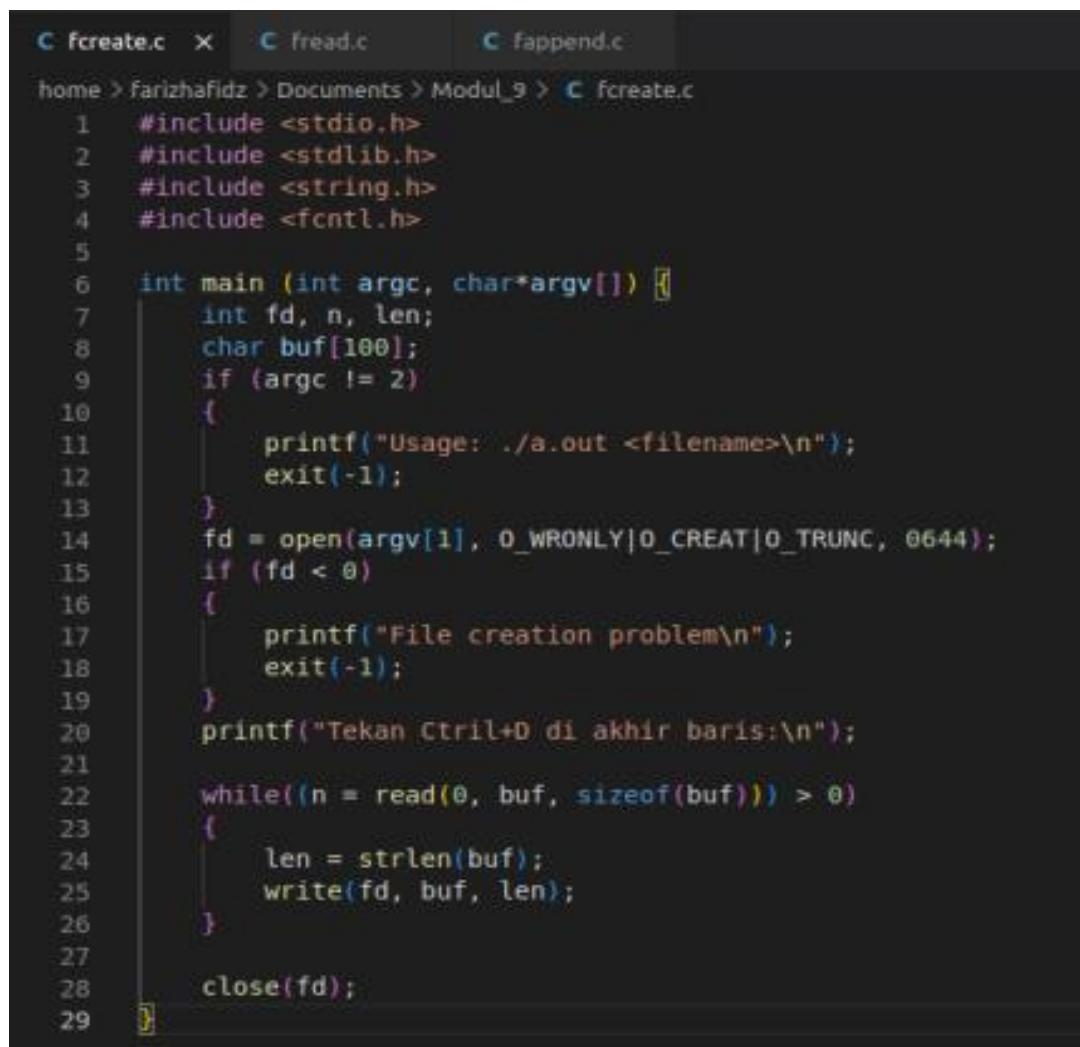


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PROGRAM STUDI TEKNIK INFORMATIKA
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UNIVERSITAS MUHAMMADIYAH SURAKARTA
TAHUN 2022/2023

A. Membuat sebuah file dan menuliskan data di dalamnya.

Kode Program 'fcreate.c'



```
farizhafidz@farizhafidz-VirtualBox:~/Documents/Modul_9$ gcc -o fcreate fcreate.c
fcreate.c: In function 'main':
fcreate.c:22:16: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
  22 |     while((n = read(0, buf, sizeof(buf))) > 0)
      |           ^
      |           fread
fcreate.c:25:9: warning: implicit declaration of function 'write'; did you mean 'fwrite'? [-Wimplicit-function-declaration]
  25 |         write(fd, buf, len);
      |           ^
      |           fwrite
fcreate.c:28:5: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
  28 |     close(fd);
      |           ^
      |           pclose
farizhafidz@farizhafidz-VirtualBox:~/Documents/Modul_9$ ./fcreate test.txt
Tekan Ctrl+D di akhir baris:
Halo Gaess David Disini^C
farizhafidz@farizhafidz-VirtualBox:~/Documents/Modul_9$
```

Terminal Kompiler gcc

B. Membaca sebuah file dalam menampilkan isinya di layar.

Kode Program ‘fread.c’

```
C fread.c  x  C fcreate.c      C fappend.c
home > farizhafidz > Documents > Modul_9 > C fread.c
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <fcntl.h>
4
5 int main (int argc, char*argv[])
6 {
7     int fd, i;
8     char buf[100];
9     if (argc < 2)
10    {
11        printf("Usage: ./a.out <filename>\n");
12        exit(-1);
13    }
14
15    fd = open(argv[1], O_RDONLY);
16    if(fd == -1)
17    {
18        printf("%s file does not exist\n", argv[1]);
19        exit(-1);
20    }
21
22    printf("Isi dari file %s adalah : \n", argv[1]);
23    while(read(fd, buf, sizeof(buf)) > 0)
24        printf("%s", buf);
25
26    close(fd);
27 }
```

Terminal Kompiler gcc

```
farizhafidz@farizhafidz-VirtualBox:~/Documents/Modul_9$ gcc fread.c
fread.c: In function 'main':
fread.c:22:11: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
22 |     while(read(fd, buf, sizeof(buf)) > 0)
|           ^
|           fread
fread.c:25:5: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
25 |     close(fd);
|           ^
|           pclose
farizhafidz@farizhafidz-VirtualBox:~/Documents/Modul_9$ ./a.out test.txt
Isi dari file test.txt adalah :
Halo Gaess David Distinifarizhafidz@farizhafidz-VirtualBox:~/Documents/Modul_9$
```

C. Menambah isi file.

Kode Program ‘fappend.c’

```
farizhafidz@farizhafidz-VirtualBox:/Documents/Modul_9$ gcc fappend.c
fappend.c: In function 'main':
fappend.c:20:16: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
  20 |     while((n = read(0, buf, sizeof(buf))) > 0)
      |           ^
      |           fread
fappend.c:23:9: warning: implicit declaration of function 'write'; did you mean 'fwrite'? [-Wimplicit-function-declaration]
  23 |         write(fd, buf, len);
      |           ^
      |           fwrite
fappend.c:26:5: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
  26 |     close(fd);
      |           ^
      |           pclose
farizhafidz@farizhafidz-VirtualBox:/Documents/Modul_9$ ./a.out test.txt
Halo Gaess kembali lagi bersama saya David di channel Gadgetin^C
farizhafidz@farizhafidz-VirtualBox:/Documents/Modul_9$
```

Terminal Kompiler gcc

```
farizhafidz@farizhafidz-VirtualBox:/Documents/Modul_9$ gcc fappend.c
fappend.c: In function 'main':
fappend.c:20:16: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
  20 |     while((n = read(0, buf, sizeof(buf))) > 0)
      |           ^
      |           fread
fappend.c:23:9: warning: implicit declaration of function 'write'; did you mean 'fwrite'? [-Wimplicit-function-declaration]
  23 |         write(fd, buf, len);
      |           ^
      |           fwrite
fappend.c:26:5: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
  26 |     close(fd);
      |           ^
      |           pclose
farizhafidz@farizhafidz-VirtualBox:/Documents/Modul_9$ ./a.out test.txt
Halo Gaess kembali lagi bersama saya David di channel Gadgetin^C
farizhafidz@farizhafidz-VirtualBox:/Documents/Modul_9$
```

```
farizhafidz@farizhafidz-VirtualBox:/Documents/Modul_9$ gcc fread.c
fread.c: In function 'main':
fread.c:22:11: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
  22 |     while(read(fd, buf, sizeof(buf)) > 0)
      |           ^
      |           read
fread.c:25:5: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
  25 |     close(fd);
      |           ^
      |           pclose
farizhafidz@farizhafidz-VirtualBox:/Documents/Modul_9$ ./a.out test.txt
Ist dari file test.txt adalah :
Halo Gaess kembali lagi bersama saya David di Channel Gadgetinfarizhafidz@farizhafidz-VirtualBox:/Documents/Modul_9$
```