

# **PRAKTIKUM SISTEM OPERASI MODUL 9**



**Disusun oleh :**

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2022/2023**

## Langkah Kerja

Membuat sebuah file dan menuliskan data di dalamnya.

Kode Program :

```
GNU nano 6.2 fcreate.c
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <fcntl.h>
#include <unistd.h>

int main(int argc, char*argv[]){
    int fd, n, len;
    char buf[100];
    if (argc!=2){
        printf("Usage ./a.out <filename>\n");
        exit(-1);
    }
    fd = open(argv[1], O_WRONLY|O_CREAT|O_TRUNC, 0644);
    if(fd<0){
        printf("File creation problem\n");
        exit(-1);
    }
    printf("Tekan CTRL+D di akhir baris\n");

    while((n = read(0, buf, sizeof(buf)))>0){
        len = strlen(buf);
        write(fd, buf, len);
    }
    close(fd);
}
```

Membaca sebuah file dan menampilkan isinya di layer

Kode Program :

```
GNU nano 6.2 fread.c
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <unistd.h>

int main(int argc, char *argv[]){
    int fd, i;
    char buf[100];
    if(argc<2){
        printf("Usage : ./a.out <filename>\n");
        exit(-1);
    }
    fd = open(argv[1], O_RDONLY);
    if(fd == -1){
        printf("%s File Doesn't exist\n", argv[1]);
        exit(-1);
    }
    printf("Isi dari file %s adalah\n", argv[1]);
    while(read(fd, buf, sizeof(buf))>0){
        printf("%s", buf);
    }
    close(fd);
}
```

Menambah isi file

## Kode Program :

```
GNU nano 6.2 fappend.c
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
#include <fcntl.h>
#include <unistd.h>

int main(int argc, char*argv[]){
    int fd, n, len;
    char buf[100];
    if(argc != 2){
        printf("Usage ./a.out <filename>\n");
        exit(-1);
    }
    fd = open(argv[1], O_APPEND|O_WRONLY|O_CREAT, 0644);
    if(fd < 0){
        perror(argv[1]);
        exit(-1);
    }
    while((n = read(0, buf, sizeof(buf)))>0){
        len = strlen(buf);
        write(fd, buf, len);
    }
    close(fd);
}
```

## Hasil

```
Setting previously unselected package libnsl-dev:amd64.
Preparing to unpack .../25-libnsl-dev_1.3.0-2build2_amd64.deb ...
Unpacking libnsl-dev:amd64 (1.3.0-2build2) ...
Selecting previously unselected package libc6-dev:amd64.
Preparing to unpack .../26-libc6-dev_2.35-0ubuntu3.1_amd64.deb ...
Unpacking libc6-dev:amd64 (2.35-0ubuntu3.1) ...
Selecting previously unselected package manpages-dev.
Preparing to unpack .../27-manpages-dev_5.10-1ubuntu1_all.deb ...
Unpacking manpages-dev (5.10-1ubuntu1) ...
Setting up gcc-11-base:amd64 (11.3.0-1ubuntu1-22.04) ...
Setting up manpages-dev (5.10-1ubuntu1) ...
Setting up binutils-common:amd64 (2.38-4ubuntu2.1) ...
Setting up linux-libc-dev:amd64 (5.15.0-56.62) ...
Setting up libctf-nobfd0:amd64 (2.38-4ubuntu2.1) ...
Setting up libgomp1:amd64 (12.1.0-2ubuntu1-22.04) ...
Setting up libasan6:amd64 (11.3.0-1ubuntu1-22.04) ...
Setting up libc6-dbg:amd64 (2.35-0ubuntu3.1) ...
Setting up libtirpc-dev:amd64 (1.3.2-2ubuntu0.1) ...
Setting up rpcsvc-proto (1.4.2-0ubuntu6) ...
Setting up libquadmath0:amd64 (12.1.0-2ubuntu1-22.04) ...
Setting up libatomic1:amd64 (12.1.0-2ubuntu1-22.04) ...
Setting up libubsan1:amd64 (12.1.0-2ubuntu1-22.04) ...
Setting up libnsl-dev:amd64 (1.3.0-2build2) ...
Setting up libcrypt-dev:amd64 (4:4.27-1) ...
Setting up libbinutils:amd64 (2.38-4ubuntu2.1) ...
Setting up libc-dev-bin (2.35-0ubuntu3.1) ...
Setting up libcc1-0:amd64 (12.1.0-2ubuntu1-22.04) ...
Setting up liblsan0:amd64 (12.1.0-2ubuntu1-22.04) ...
Setting up libitm1:amd64 (12.1.0-2ubuntu1-22.04) ...
Setting up libc-devtools (2.35-0ubuntu3.1) ...
Setting up libtsan0:amd64 (11.3.0-1ubuntu1-22.04) ...
Setting up libctf0:amd64 (2.38-4ubuntu2.1) ...
Setting up cpp-11 (11.3.0-1ubuntu1-22.04) ...
Setting up libgcc-11-dev:amd64 (11.3.0-1ubuntu1-22.04) ...
Setting up libc6-dev:amd64 (2.35-0ubuntu3.1) ...
Setting up binutils-x86-64-linux-gnu (2.38-4ubuntu2.1) ...
Setting up binutils (2.38-4ubuntu2.1) ...
Setting up gcc-11 (11.3.0-1ubuntu1-22.04) ...
Setting up gcc (4:11.2.0-1ubuntu1) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3) ...
root@cinta-VirtualBox:/home/cinta# gcc -o fcreate fcreate.c
root@cinta-VirtualBox:/home/cinta# ./fcreate test.txt
Tekan CTRL+D di akhir baris
```