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## Modul 9 System Call

1. Membaca file



```

#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 does not 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);
}

```

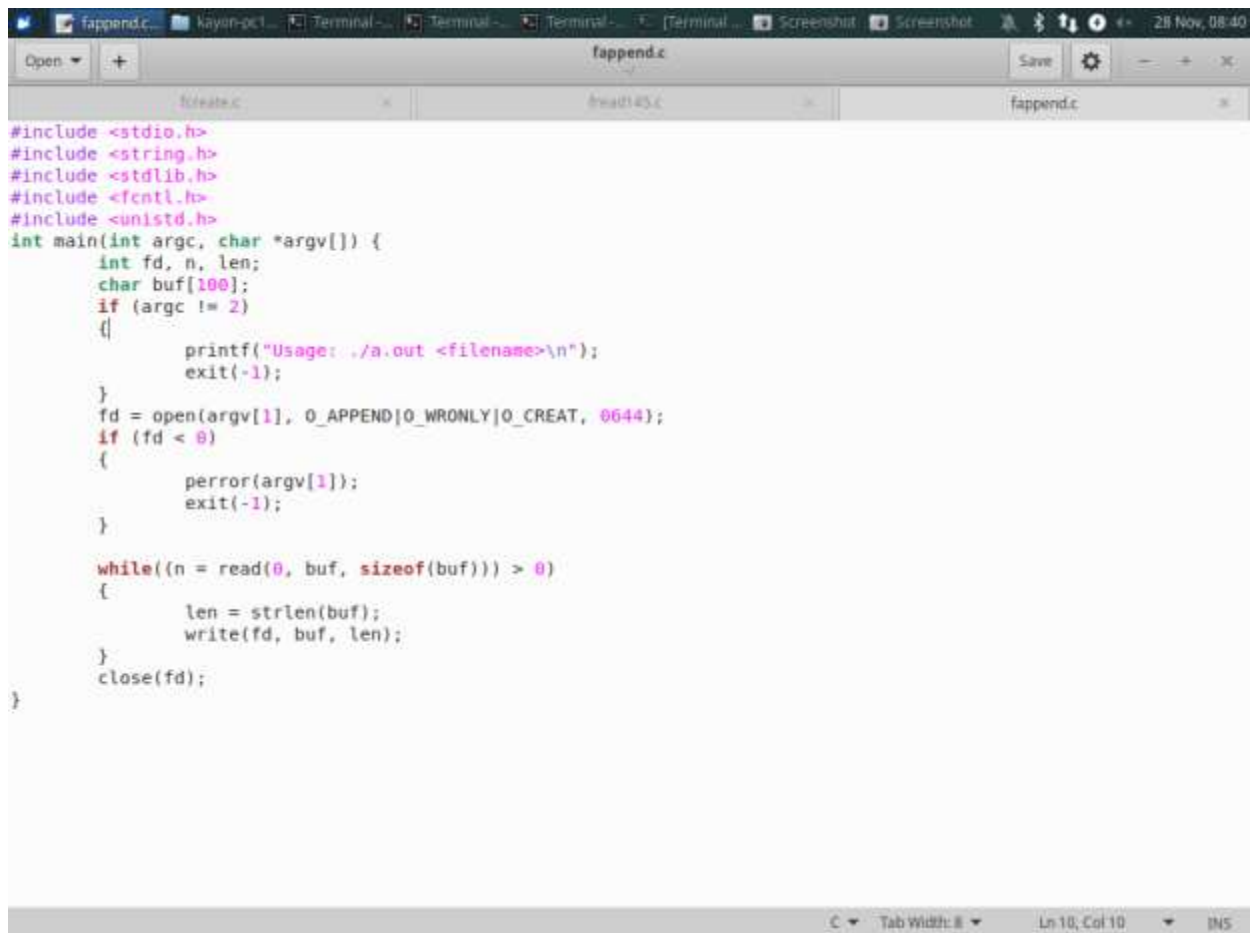
```

#2
Berkas Samping Terapkan Templat Tab Barman
kayen-pc13@kayen-pc13: ~/Documents
kayen-pc13@kayen-pc13: ~/Documents$ nano fread.c
kayen-pc13@kayen-pc13: ~/Documents$ gcc -o freada fread.c
kayen-pc13@kayen-pc13: ~/Documents$ ./freada fread.c
Isi dari file fread.c adalah :
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <unistd.h>
int main (int argc, char *argv[]) {
    int fd;
    char buf[100];
    if (argc < 2)
    {
        printf("Usage: ./a.out <filename>\n");
        exit(1);
    }
    fd = open(argv[1], O_RDONLY);
    if (fd == -1)
    {
        printf("a file does not 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);
}
a adalah : \n, argv[1]:
while(read(fd, buf, sizeof(argv-pc13@kayen-pc13:~/Documents$ ./a.out 143.txt
Isi dari file 143.txt adalah :
Isi dari file 143.txt adalah :
Isi dari file 143.txt adalah :
kayen-pc13@kayen-pc13:~/Documents$

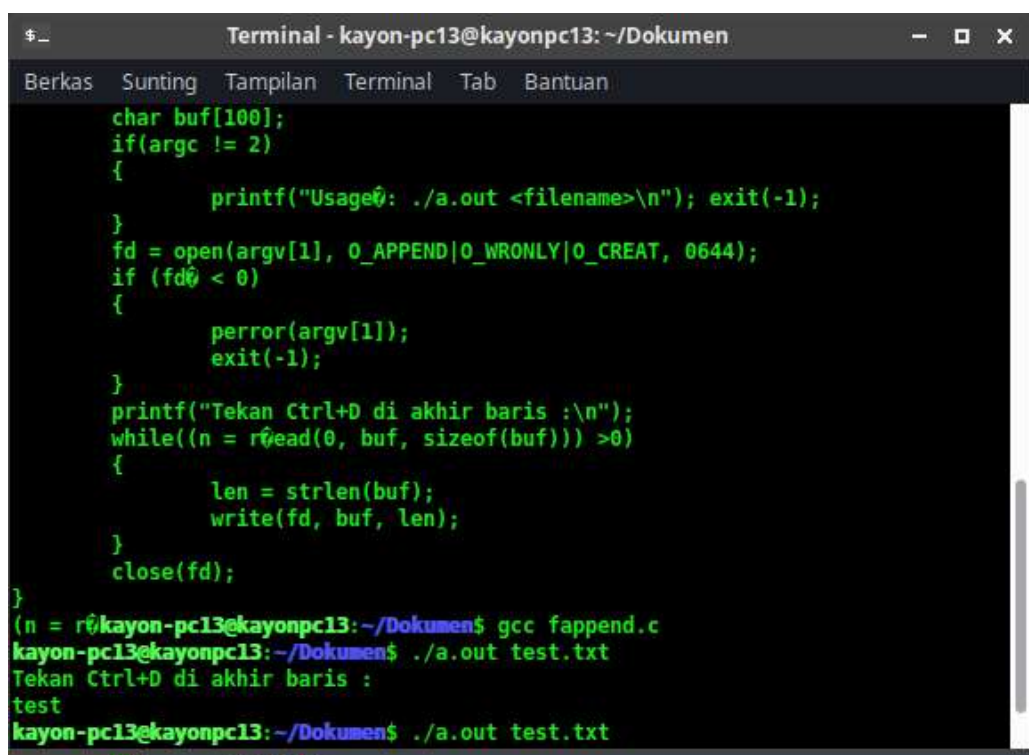
```

## 2. Menambah isi file



```
#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);
}
```



```
$ _ Terminal - kayon-pc13@kayonpc13: ~/Dokumen
Berkas Sunting Tampilan Terminal Tab Bantuan
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);
}
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);
}
kayon-pc13@kayonpc13:~/Dokumen$ gcc fappend.c
kayon-pc13@kayonpc13:~/Dokumen$ ./a.out test.txt
Tekan Ctrl+D di akhir baris :
test
kayon-pc13@kayonpc13:~/Dokumen$ ./a.out test.txt
```