



Fatima Jinnah Women University
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LAB 7

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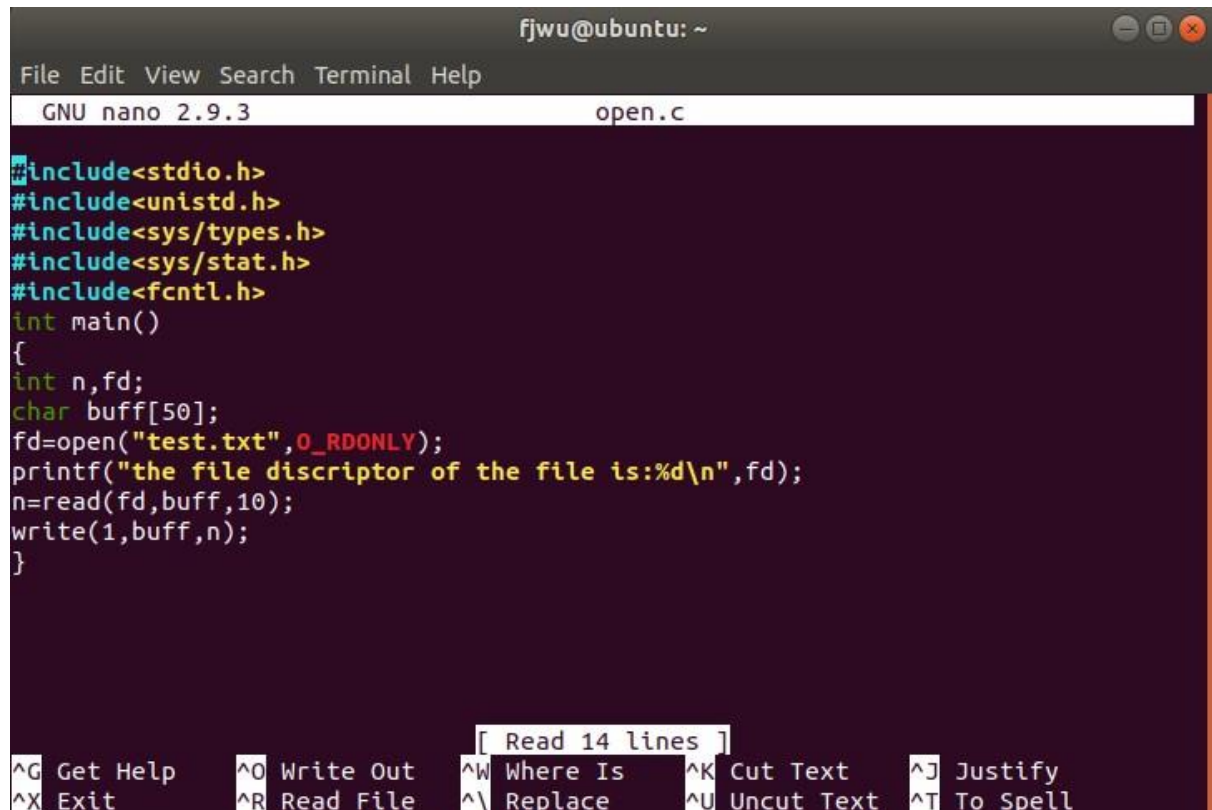
Section: A

Semester: Third

Course: Operating System (LAB)

Task # 1

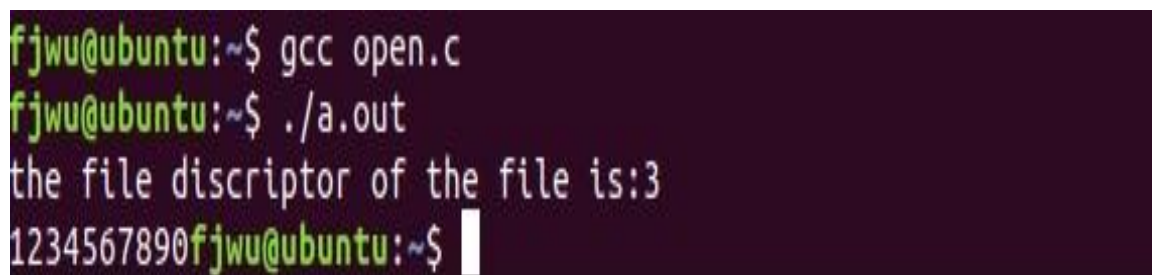
Write a program to read the contents of file F1 into file F2. The contents of file F2 should not get deleted or overwritten. hint: use O_APPEND flag.



```
fjwu@ubuntu: ~
File Edit View Search Terminal Help
GNU nano 2.9.3 open.c

#include<stdio.h>
#include<unistd.h>
#include<sys/types.h>
#include<sys/stat.h>
#include<fcntl.h>
int main()
{
    int n,fd;
    char buff[50];
    fd=open("test.txt",O_RDONLY);
    printf("the file descriptor of the file is:%d\n",fd);
    n=read(fd,buff,10);
    write(1,buff,n);
}

[ Read 14 lines ]
^G Get Help      ^O Write Out    ^W Where Is     ^K Cut Text     ^J Justify
^X Exit          ^R Read File    ^\ Replace      ^U Uncut Text   ^T To Spell
```



```
fjwu@ubuntu:~$ gcc open.c
fjwu@ubuntu:~$ ./a.out
the file descriptor of the file is:3
1234567890fjwu@ubuntu:~$
```

Task # 2

Write a program using open() system call to copy the contents of one file into another file.

```
GNU nano 2.9.3 open2.c
#include<unistd.h>
#include<sys/types.h>
#include<sys/stat.h>
#include<fcntl.h>
int main()
{
    int n,fd,fd1;
    char buff[50];
    fd=open("test.txt",O_RDONLY);
    n=read(fd,buff,10);
    fd1=open("towrite.txt",O_WRONLY|O_CREAT,0642);
    write(fd1,buff,n);
}
```

```
fjwu@ubuntu:~$ nano open2.c
fjwu@ubuntu:~$ gcc open2.c
fjwu@ubuntu:~$ ./a.out
fjwu@ubuntu:~$ cat towrite.txt
1234567890fjwu@ubuntu:~$
```