

SPOT EXERCISE 4

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1. COPYING THE CONTENTS OF ONE FILE TO ANOTHER:

```
[s2019103562@centos8-linux Mon Mar 08 11:50 AM lab04]$ vim Sample.txt
[s2019103562@centos8-linux Mon Mar 08 11:50 AM lab04]$ ./test Sample.txt Hello.txt
[s2019103562@centos8-linux Mon Mar 08 11:50 AM lab04]$ cat Hello.txt
Hii All
[s2019103562@centos8-linux Mon Mar 08 11:50 AM lab04]$ cat test.c
#include<stdio.h>
#include<stdlib.h>
#include<unistd.h>
#include<fcntl.h>
int close(int fd);
void main(int argc, char* argv[]){
    int fd1, fd2;
    char buf[1000];
    long int n;
    if(((fd1=open(argv[1], O_RDONLY))==-1) || ((fd2=open(argv[2], O_CREAT | O_WRONLY | O_TRUNC, 0700))==-1)){
        printf("Error\n");
    }
    while((n=read(fd1, buf, 1000))>0){
        if(write(fd2, buf, n)!=n){
            printf("Writing problem");
        }
    }
    close(fd1);
    close(fd2);
}
[s2019103562@centos8-linux Mon Mar 08 11:51 AM lab04]$ cat Sample.txt
Hii All
[s2019103562@centos8-linux Mon Mar 08 11:51 AM lab04]$ █
```

Note: Sample.txt – source file and Hello.txt – destination file

2. DATE AND TIME AFTER 2 DAYS FROM NOW:

```
[s2019103562@centos8-linux Mon Mar 08 12:31 PM lab04]$ vim tq2.c
[s2019103562@centos8-linux Mon Mar 08 12:31 PM lab04]$ gcc tq2.c -o tq2
[s2019103562@centos8-linux Mon Mar 08 12:31 PM lab04]$ ./tq2
The current date and time is Mon Mar 8 12:31:48 2021
The date and time after 2 days from now will be:
Wed Mar 10 12:31:56 2021
[s2019103562@centos8-linux Mon Mar 08 12:31 PM lab04]$ cat tq2.c
#include<stdio.h>
#include<time.h>
void main(){
    struct tm str_t;
    time_t timeofday;
    str_t.tm_year=2021-1900;
    str_t.tm_mon=02;
    str_t.tm_mday=10;
    str_t.tm_hour=12;
    str_t.tm_min=31;
    str_t.tm_sec=56;
    timeofday=mktime(&str_t);
    time_t curtime;
    curtime=time(NULL);
    struct tm* localtimeans;
    localtimeans=localtime(&curtime);
    printf("The current date and time is %s", asctime(localtimeans));
    printf("The date and time after 2 days from now will be:\n");
    printf(ctime(&timeofday));
}
[s2019103562@centos8-linux Mon Mar 08 12:31 PM lab04]$ █
```
