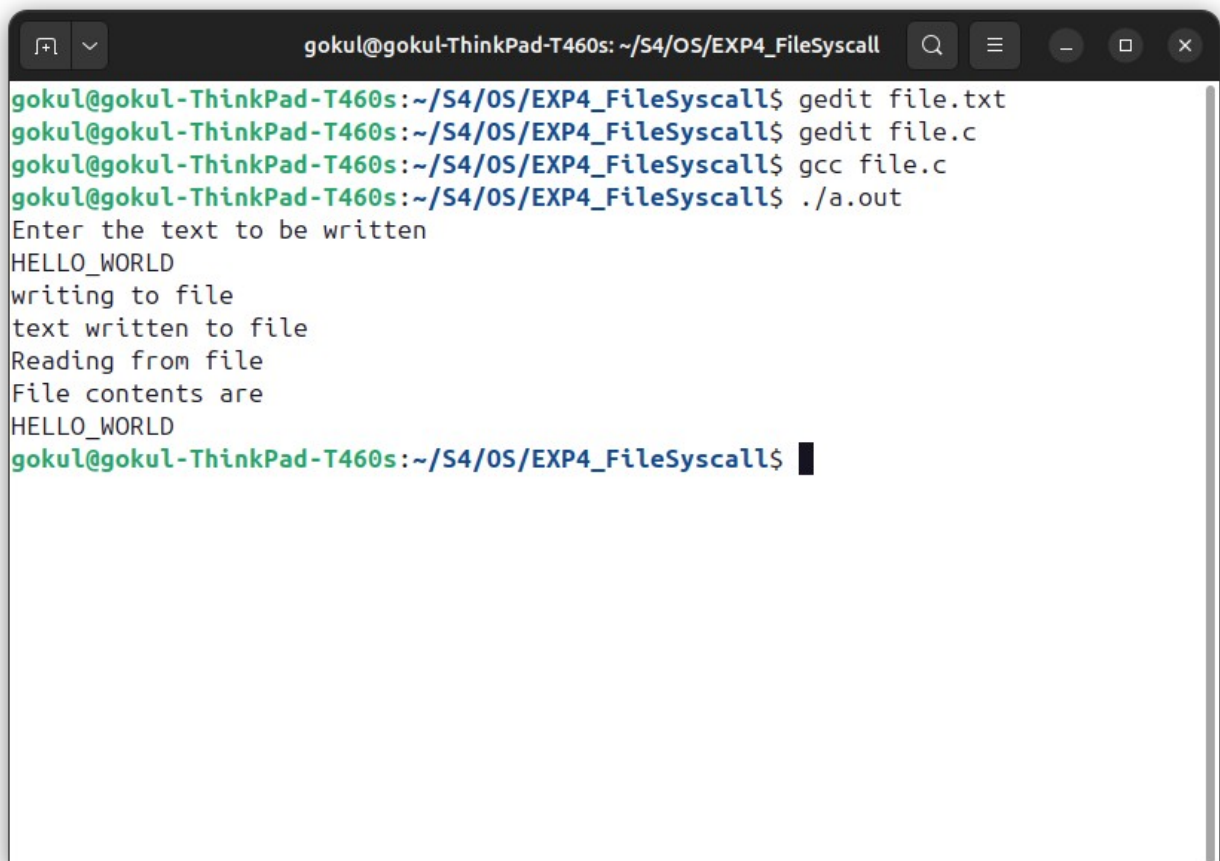


```

#include<stdio.h>
#include<string.h>
#include<sys/types.h>
#include<unistd.h>
#include<sys/stat.h>
#include<fcntl.h>

int main(){
    int fd,fd2;
    char wbuf[128],rbuf[128];
    fd=open("file.txt",O_WRONLY);
    printf("Enter the text to be written\n");
    scanf("%s",wbuf);
    printf("writing to file\n");
    write(fd,wbuf,strlen(wbuf));
    close(fd);
    printf("text written to file\n");
    printf("Reading from file\n");
    fd2=open("file.txt",O_RDONLY);
    printf("File contents are\n");
    read(fd2,rbuf,128);
    printf("%s\n",rbuf);
    close(fd2);
    return 0;
}

```



A terminal window titled 'gokul@gokul-ThinkPad-T460s: ~/S4/OS/EXP4_FileSyscall' showing the execution of a C program. The user enters 'HELLO_WORLD' and the program successfully writes it to 'file.txt' and reads it back, displaying 'HELLO_WORLD'.

```

gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP4_FileSyscall$ gedit file.txt
gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP4_FileSyscall$ gedit file.c
gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP4_FileSyscall$ gcc file.c
gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP4_FileSyscall$ ./a.out
Enter the text to be written
HELLO_WORLD
writing to file
text written to file
Reading from file
File contents are
HELLO_WORLD
gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP4_FileSyscall$

```

