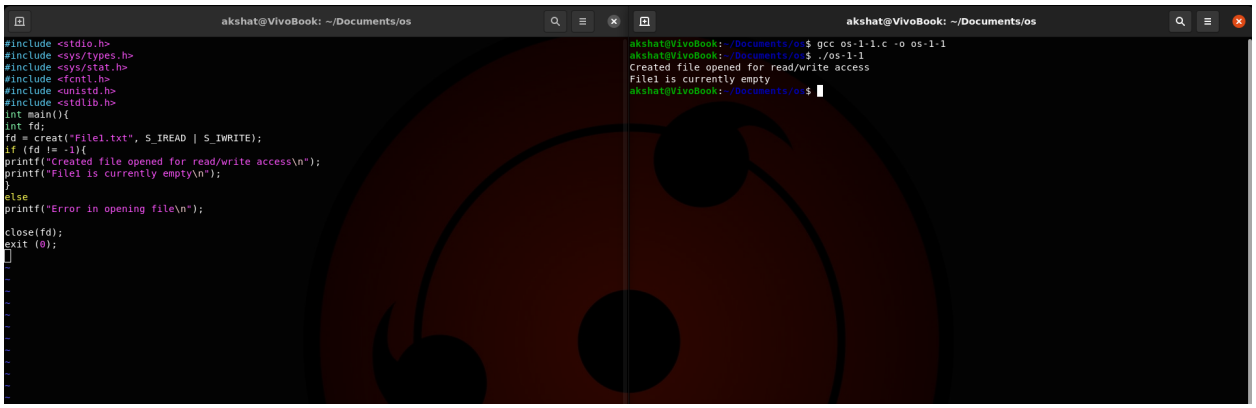
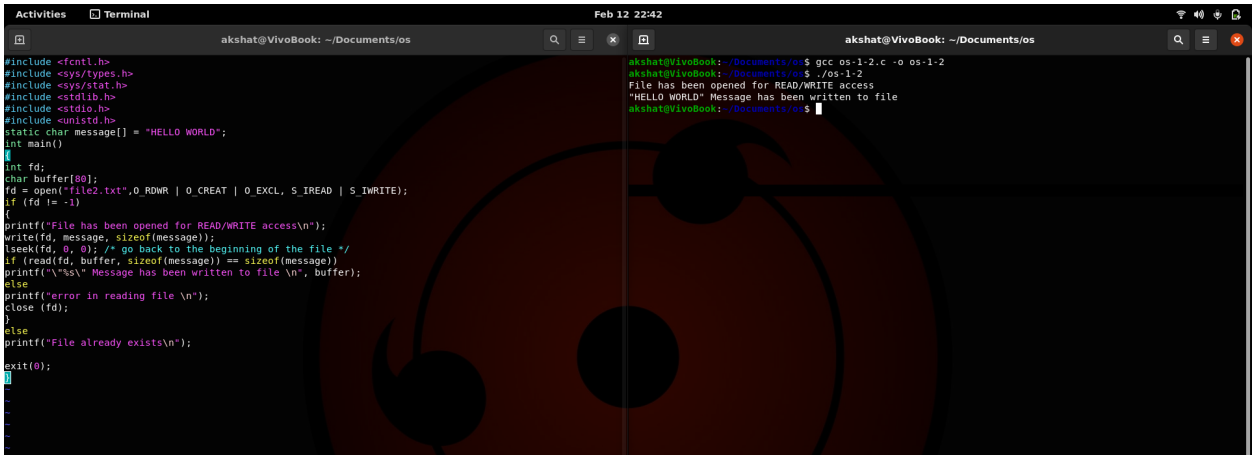
Name: Akshat Khosya
Roll No: 20106

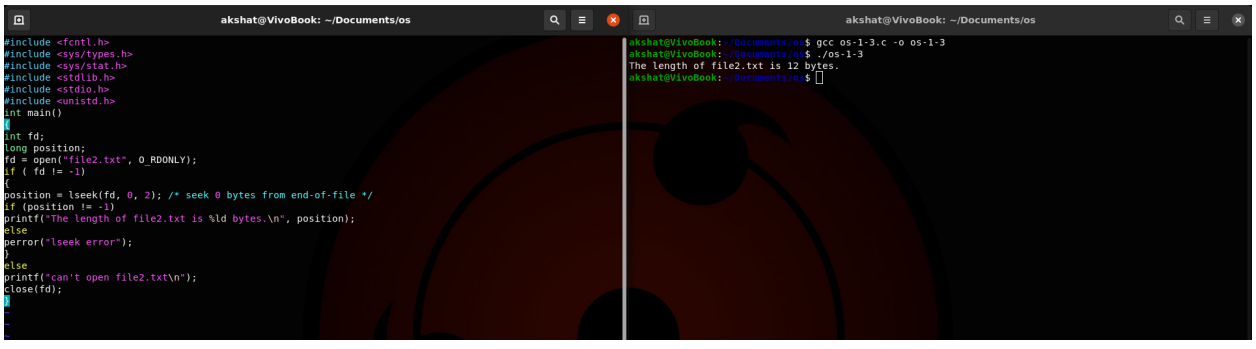
1.



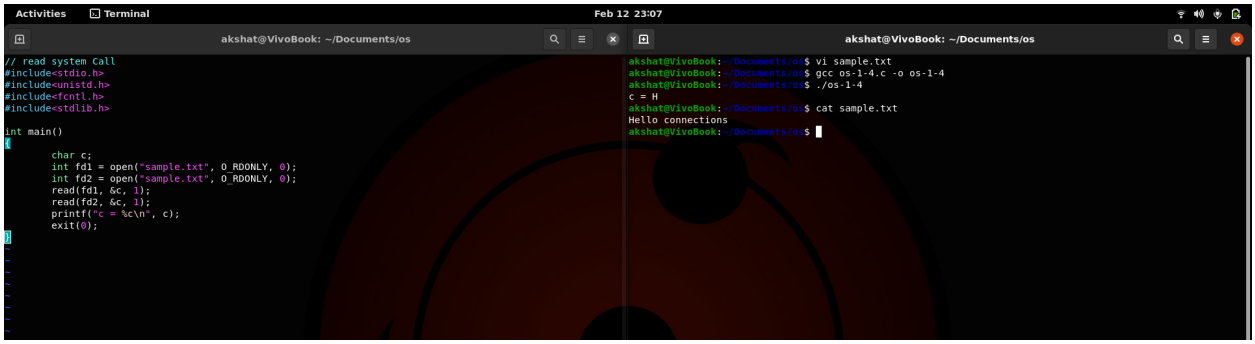
2.



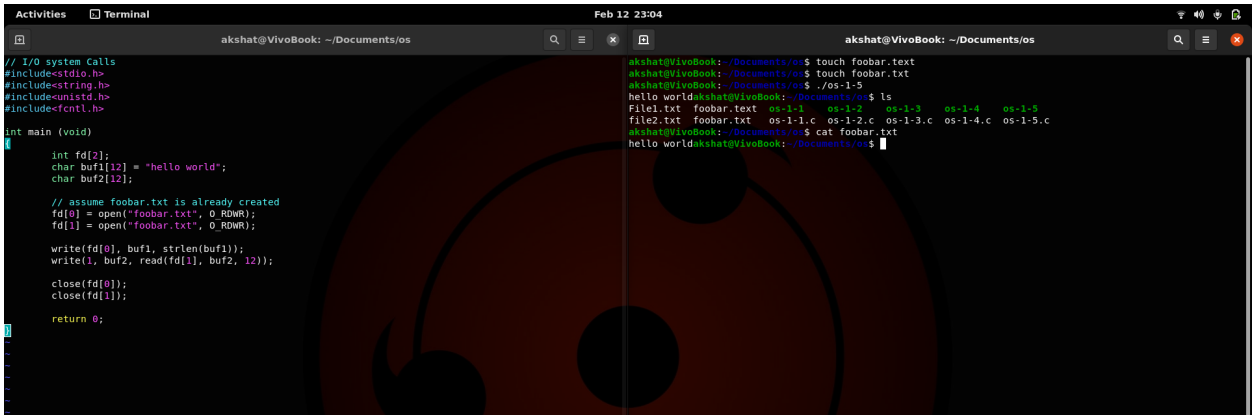
3.



4.


Activities
Terminal
Feb 12 23:07
akshat@VivoBook: ~/Documents/os
akshat@VivoBook: ~/Documents/os
// read system Call
#include<stdio.h>
#include<unistd.h>
#include<fcntl.h>
#include<stdlib.h>
int main()
{
char c;
int fd1 = open("sample.txt", O_RDONLY, 0);
int fd2 = open("sample.txt", O_RDONLY, 0);
read(fd1, &c, 1);
read(fd2, &c, 1);
printf("c = %c\n", c);
exit(0);
}
akshat@VivoBook:~/Documents/os$ vi sample.txt
akshat@VivoBook:~/Documents/os$ gcc os-1-4.c -o os-1-4
akshat@VivoBook:~/Documents/os$ ./os-1-4
c = H
akshat@VivoBook:~/Documents/os$ cat sample.txt
Hello connections
akshat@VivoBook:~/Documents/os$

5.


Activities
Terminal
Feb 12 23:04
akshat@VivoBook: ~/Documents/os
akshat@VivoBook: ~/Documents/os
// I/O system Calls
#include<stdio.h>
#include<string.h>
#include<unistd.h>
#include<fcntl.h>
int main (void)
{
int fd[2];
char buf1[12] = "hello world";
char buf2[12];
// assume foobar.txt is already created
fd[0] = open("foobar.txt", O_RDWR);
fd[1] = open("foobar.txt", O_RDWR);
write(fd[0], buf1, strlen(buf1));
write(1, buf2, read(fd[1], buf2, 12));
close(fd[0]);
close(fd[1]);
return 0;
}
akshat@VivoBook:~/Documents/os$ touch foobar.text
akshat@VivoBook:~/Documents/os$ touch foobar.txt
akshat@VivoBook:~/Documents/os$ ./os-1-5
hello worldakshat@VivoBook:~/Documents/os$ ls
File1.txt foobar.text os-1-1 os-1-2 os-1-3 os-1-4 os-1-5
file2.txt foobar.txt os-1-1.c os-1-2.c os-1-3.c os-1-4.c os-1-5.c
akshat@VivoBook:~/Documents/os$ cat foobar.txt
hello worldakshat@VivoBook:~/Documents/os$