**Lab 07**

Complete C programming exercise 3.

**Complete Unix programming exercise 2.**

Question. **Copying files**

Modify that program from Exercise 1 above, so that it copies the input file "foo" to the file "foo2". Make sure that you create the file "foo" and "foo2" before running the program. Check that the file has been correctly copied.

For this question, you must use only file related system calls, not the standard I/O functions from C.

**Program Output**

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise2# gcc -Wall unix-exercise2.c -o unix-exercise2.o

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise2# ./unix-exercise2.o

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise2# cat foo.txt

File created for unix exercise 1

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise2# cat foo2.txt

File created for unix exercise 1

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise2#

**Complete Unix programming exercise 6.**

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise6# gcc unix-exercise6.c

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise6# ./a.out

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise6# ls

a.out descriptor1.txt descriptor2.txt unix-exercise6.c

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise6# cat descriptor1.txt

A friendly message

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise6#

**Complete Unix programming exercise 12.**

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise12# gcc unix-exercise12.c

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise12# ./a.out /home

file name : .

The i-node number is : 562949953778774

file name : ..

The i-node number is : 562949953778774

file name : newFile

The i-node number is : 33495522228600988

file name : tst

The i-node number is : 90634942500978801root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise12# ls -i /home

33495522228600988 newFile 90634942500978801 tst

root@vishnu-rana:/mnt/c/Users/Vishnu Rana/Desktop/ICT374\_labs\_Rana\_Vishnu/lab07/labs 5-6-7-8/unix-programming/unix-exercise12#

