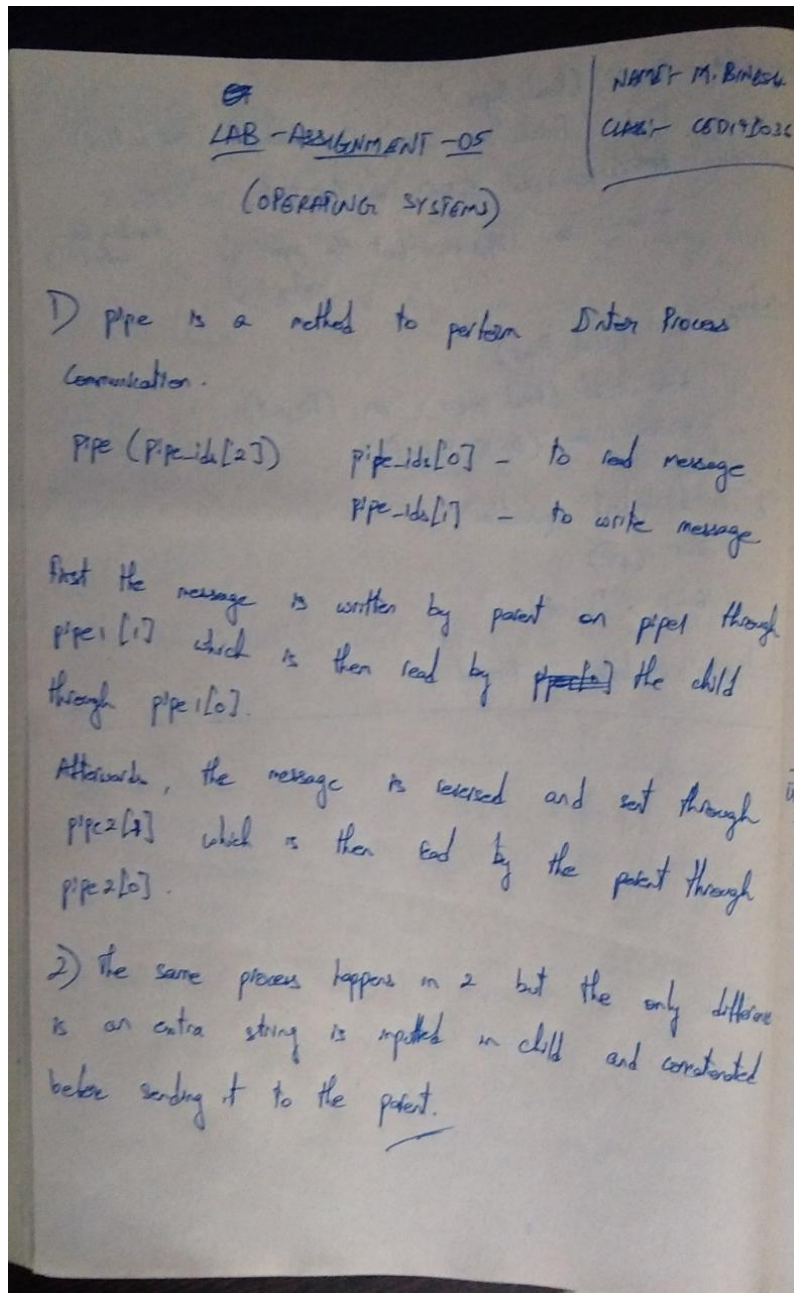


Lab Assignment - 5
(Operating Systems Practice)

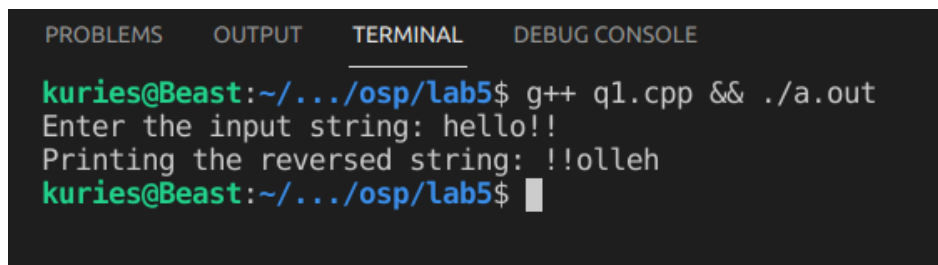
Name: - M. Binesh

Roll : - CED19I036

1 & 2)



1)



2)

```
kuries@Beast:~/.../osp/lab5$ g++ q2.cpp && ./a.out
Enter string1: Binesh
Enter string2: Munukurthi
Printing the concatenated string: BineshMunukurthi
kuries@Beast:~/.../osp/lab5$
```

3) i) opendir - opens a directory and returns a pointer pointing to that directory. Takes the name of the directory as a parameter.

readdir :- reads the pointer and accesses all the files in that directory.

ii) open - opens a file. It has different modes

- read
- write
- read - write
- append

write :- writes to a file. [file descriptor, message and message length]

iii) read() - reads a file, takes in a file descriptor, with a character pointer ~~and~~ along with the number of bytes to read.

close :- closes the file (takes file descriptor).

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3) a)

```
PROBLEMS  OUTPUT  TERMINAL  DEBUG CONSOLE

kuries@Beast:~/.../osp/lab5$ g++ q3_1.cpp && ./a.out
Current Directory openedp1.cpp
q3_1.cpp
p2.cpp
op2
.
op1
q3_3.c
q1.cpp
a.out
q2.cpp
.
Current Directory Closed
kuries@Beast:~/.../osp/lab5$
```

c)

```
q3_1.cpp  q1.cpp  q3_3.cpp  test.txt  X

osp > lab5 > test.txt
1
2  You Are Correct

PROBLEMS  OUTPUT  TERMINAL  DEBUG CONSOLE

kuries@Beast:~/.../osp/lab5$ g++ q3_3.cpp && ./a.out
File opened
16 bytes are as follows:
File closed
kuries@Beast:~/.../osp/lab5$
```

4)

PROBLEMS 1 OUTPUT TERMINAL DEBUG CONSOLE

```
kuries@Beast:~/.../osp/lab5$ ./op1
Write Data (now in p1): hello! This is from p1
Data read from memory: hola esto es de p2
kuries@Beast:~/.../osp/lab5$
```

```
kuries@Beast:~/.../osp/lab5$ ./op2
Data read from memory: hello! This is from p1
Enter a string: hola esto es de p2
kuries@Beast:~/.../osp/lab5$
```