## <u>Lab Assignment - 5</u> (Operating Systems Practice)

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NAMET M. BINESY
            LAB - ASSIGNMENT -05
                                        CHEL- CEDIADOSC
            (OPERATING SYSTEMS)
D pipe is a rethel to perform Distor Process
 Communication.
 Pipe (Pipe-ide[2]) Pipe-ide[0] - to land reusage
                     Pipe-Ideli) - to write message
that the newsge is written by parent on pipel through
piper (1) which is then read by profes the child
though pipe 1607.
Attained, the mexage is sexused and sent through
pigc=[4] which is then Ead by the point through
pipe 2 [0]
2) The same process toppos in 2 but the only different
is an entra string is upshed in child and correlated
before surding it to the paint.
```

1)

```
kuries@Beast:~/.../osp/lab5$ g++ q1.cpp && ./a.out
Enter the input string: hello!!
Printing the reversed string: !!olleh
kuries@Beast:~/.../osp/lab5$ ■
```

```
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) Depender - opens a directory and retoins a puntir pointing to that directory. Pakes the name of the directory as a parameter Readly !- reads the pointer and accesses all the in that directory. ii) open - open a like. It has different modes - append a rad - write write: writes to a file. I tile descriptor, message and message leigh 7 ii) read() - reads a tile, takes in a tile descriptor, with a character pointer will along with the runber of bytes to read close :- closes the tile (takes the descriptor). ( CEDP 1036

## 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)

```
G+ q3_1.cpp G- q1.cpp G- q3_3.cpp E test.txt x

osp > lab5 > E 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$
```

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\$ ||