

OS Assignment 2

Question 1 – Readme

Meenakshi Madhu – B180390CS

- P1 = main process - reads an array of size 5
- P2 = first child B - calculates avg, std deviation
- P3 = second child C - analyses temperatures with avg, std deviation; categorizes locations
- P1 - actuates temperature

IPC Using Unnamed Pipe:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

root@freespirt /mnt/f/codes/OSassg
# gcc q1 unnamed.c -lm
root@freespirt /mnt/f/codes/OSassg
# ./a.out
Enter temperatures L1, L2, L3, L4, L5
10 20 30 40 50
Revised Temperatures:
L1: 12.500000
L2: 22.000000
L3: 30.000000
L4: 38.500000
L5: 47.000000
root@freespirt /mnt/f/codes/OSassg
#
```

IPC Using Named Pipe:

```
File Edit Selection View Go Run Terminal Help process3.c - codes [WSL: Ubuntu] - Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 3: zsh, zsh, zsh

root@freespirt /mnt/f/codes/OSassg
# gcc process1.c
root@freespirt /mnt/f/codes/OSassg
# ./a.out
Enter temperatures:
10 20 30 40 50
Revised Temperatures:
L1: 12.500000
L2: 22.000000
L3: 30.000000
L4: 38.500000
L5: 47.000000
root@freespirt /mnt/f/codes/OSassg
#

root@freespirt /mnt/f/codes/OSassg
# gcc process2.c -lm
root@freespirt /mnt/f/codes/OSassg
# ./a.out
root@freespirt /mnt/f/codes/OSassg
#

root@freespirt /mnt/f/codes/OSassg
# gcc process3.c
root@freespirt /mnt/f/codes/OSassg
# ./a.out
root@freespirt /mnt/f/codes/OSassg
#
```