

Readme

Steps to run:

1. Run the following command

```
$ source setup.sh
```

This builds the necessary object files to execute the program.

2. Open 3 terminals and run the following commands in 3 different terminals.

```
$ ./p1
```

```
$ ./p2
```

```
$ ./p3
```

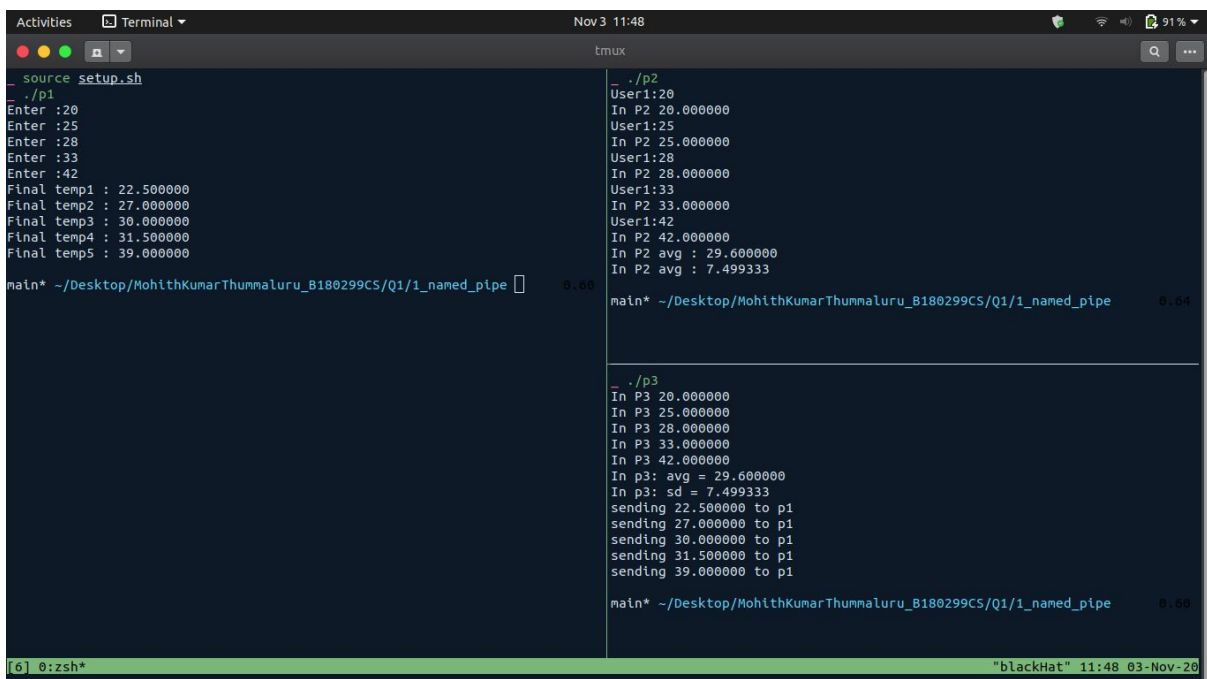
API's used:

1. `int mkfifo(const char *pathname, mode_t mode);`

Description:

`mkfifo()` makes a FIFO special file with name `pathname`. Here `mode` specifies the FIFO's permissions. It is modified by the process's `umask` in the usual way: the permissions of the created file are `(mode & ~umask)`

Output:



```
Activities  Terminal Nov 3 11:48
tmux
- source setup.sh
- ./p1
Enter :20
Enter :25
Enter :28
Enter :33
Enter :42
Final temp1 : 22.500000
Final temp2 : 27.000000
Final temp3 : 30.000000
Final temp4 : 31.500000
Final temp5 : 39.000000
main* ~/Desktop/MohithKumarThummaluru_B180299CS/Q1/1_named_pipe 0.00

- ./p2
User1:20
In P2 20.000000
User1:25
In P2 25.000000
User1:28
In P2 28.000000
User1:33
In P2 33.000000
User1:42
In P2 42.000000
In P2 avg : 29.600000
In P2 avg : 7.499333
main* ~/Desktop/MohithKumarThummaluru_B180299CS/Q1/1_named_pipe 0.04

- ./p3
In P3 20.000000
In P3 25.000000
In P3 28.000000
In P3 33.000000
In P3 42.000000
In p3: avg = 29.600000
In p3: sd = 7.499333
sending 22.500000 to p1
sending 27.000000 to p1
sending 30.000000 to p1
sending 31.500000 to p1
sending 39.000000 to p1
main* ~/Desktop/MohithKumarThummaluru_B180299CS/Q1/1_named_pipe 0.00

[6] 0:zsh* "blackHat" 11:48 03-Nov-20
```