

LAB4 Ex3

Each child sleeps and takes a value upon waking up , but the values cannot be seen by the parent since they werent using shared memory.

Parent waits all childs to terminate normally , and after it prints their exit code (in code I assigned their order numbers as their exit codes to keep track of them) and it was supposed to print the values they received from user.

Here is a sample with N = 8;

```
vulgaris@vulgaris:~/Documents/OS/LAB4$ ./concur5 8
```

Child process started : 0

Child slept 8 seconds, enter a number: 69

Child process started : 1

Child slept 7 seconds, enter a number: 57

Child process started : 2

Child slept 6 seconds, enter a number: 42

Child process started : 3

Child slept 5 seconds, enter a number: 71

Child process started : 4

Child slept 4 seconds, enter a number: 38

Child process started : 5

Child slept 3 seconds, enter a number: 22

Child process started : 6

Child slept 2 seconds, enter a number: 89

Child process started : 7

Child slept 1 seconds, enter a number: 100

Child ended normally with code: 0

It recieved : 0

Child ended normally with code: 1

It recieved : 0

Child ended normally with code: 2

It recieved : 0

Child ended normally with code: 3

It recieved : 0

Child ended normally with code: 4

It recieved : 0

Child ended normally with code: 5

It recieved : 0

Child ended normally with code: 6

It recieved : 0

Child ended normally with code: 7

It recieved : 0