

### Description of Goals

- Perform COLLATZ series properly using algo function
- Get positive integer input from user
- Fork 3 children processes with  $1x$ ,  $2x$ , and  $3x$  where  $x$  is input
- Check if shared memory is created properly to store number of steps
- Store number of steps in shared memory from child process so parent process can access it
- Read steps from memory
- Calculate minimum steps
- Calculate maximum steps
- Calculate average steps