

Milena Tshagharyan

OS - Section B - HW9 - Threads Basics

Repository link:

https://github.com/mataghinim/os_homework/tree/91ba651cba681ff57e8d73ec62276ea8a4c7664d/hw9-threads_basics

path: hw9-threads_basics

Assignment1:

```
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ gcc -Wall -Werror -pthread assignment1.c -o assignment1
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ ./assignment1
Thread 1 is running
Thread 2 is running
Thread 3 is running
All threads are complete
```

Assignment2:

```
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ gcc -Wall -Werror -pthread assignment2.c -o assignment2
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ ./assignment2
Sum from 4 to 7 = 23
Sum from 0 to 3 = 21
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ ./assignment2
Sum from 4 to 7 = 23
Sum from 0 to 3 = 21
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ ./assignment2
Sum from 0 to 3 = 21
Sum from 4 to 7 = 23
```

Assignment3:

```
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ gcc -Wall -Werror -pthread assignment3.c -o assignment3
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ ./assignment3
Thread ID: 2
1 2 3 4 5
Thread ID: 1
1 2 3 4 5
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ 
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ ./assignment3
Thread ID: 1
1 2 3 4 5
Thread ID: 2
1 2 3 4 5
```

Assignment4:

```
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ gcc -Wall -Werror -pthread assignment4.c -o assignment4
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ ./assignment4
Square of 1 is 1
Square of 2 is 4
Square of 3 is 9
Square of 5 is 25
Square of 4 is 16
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$ ./assignment4
Square of 1 is 1
Square of 2 is 4
Square of 3 is 9
Square of 4 is 16
Square of 5 is 25
[milena@ubuntu-aia-os:~/os_homework/hw9-threads_basics$
```