

```
tarjeisv@itstud:~/OS2022/labs/lab7$ gcc -pthread -o Exercise1 Exercise1.c
tarjeisv@itstud:~/OS2022/labs/lab7$ ./Exercise1
Count is 26114512
tarjeisv@itstud:~/OS2022/labs/lab7$ ./Exercise1
Count is -381427
tarjeisv@itstud:~/OS2022/labs/lab7$ ./Exercise1
Count is 8647316
tarjeisv@itstud:~/OS2022/labs/lab7$ ./Exercise1
Count is 14339798
tarjeisv@itstud:~/OS2022/labs/lab7$ ./Exercise1
Count is -12433733
tarjeisv@itstud:~/OS2022/labs/lab7$ ./Exercise1
Count is -23764094
```

The global variable count is 0, there are 2 threads who are supposed to decrease and increase the count by the same amount. The count should be 0 when the program finish, but its not because it doesnt use mutex so the increase and decrease override eachother and skips either increase or decrease at random. Thats why the count is different every time.

Exercise2:

I have ran the code manually 100 times and its the same output.