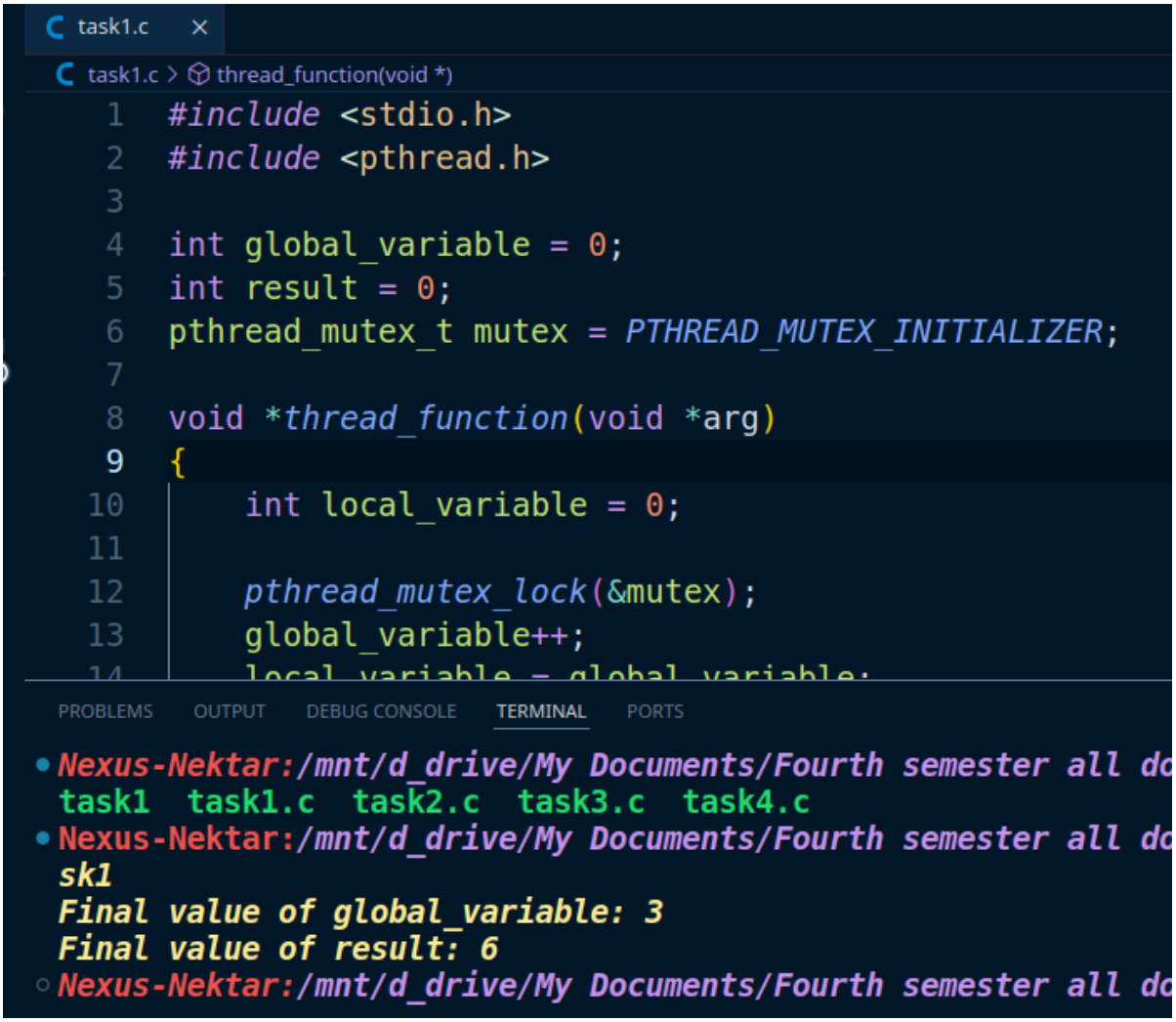
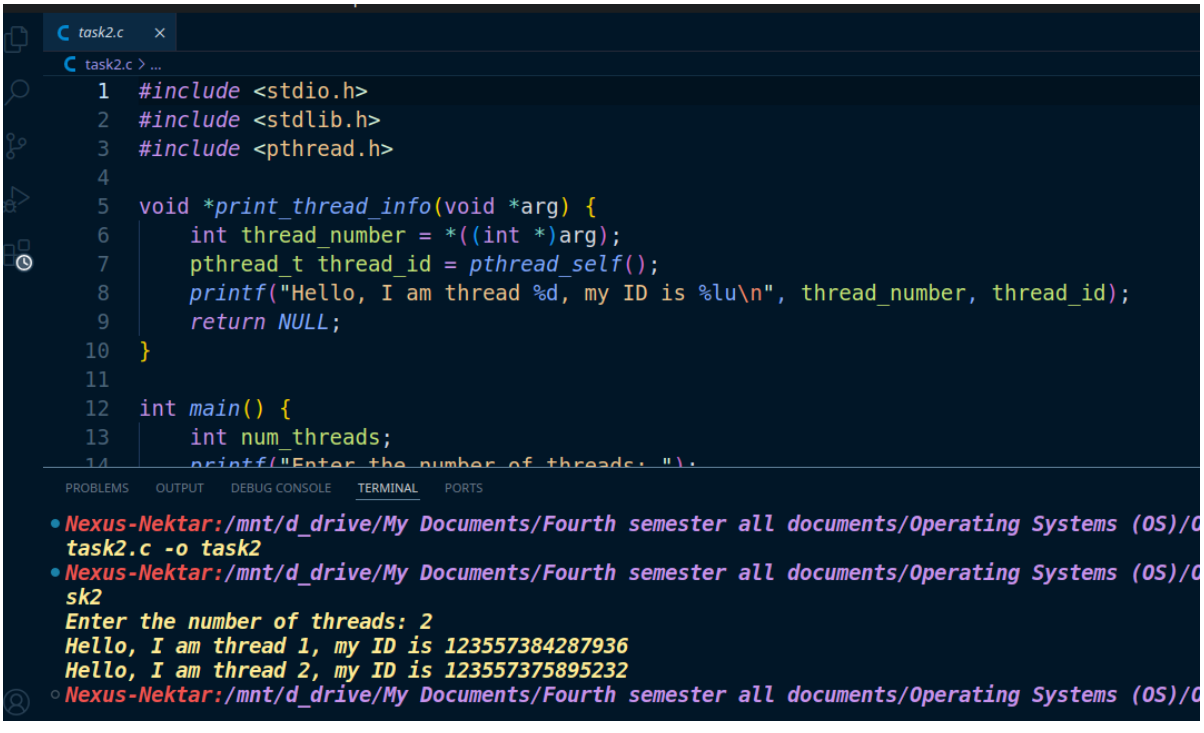
Lab9 Home Tasks

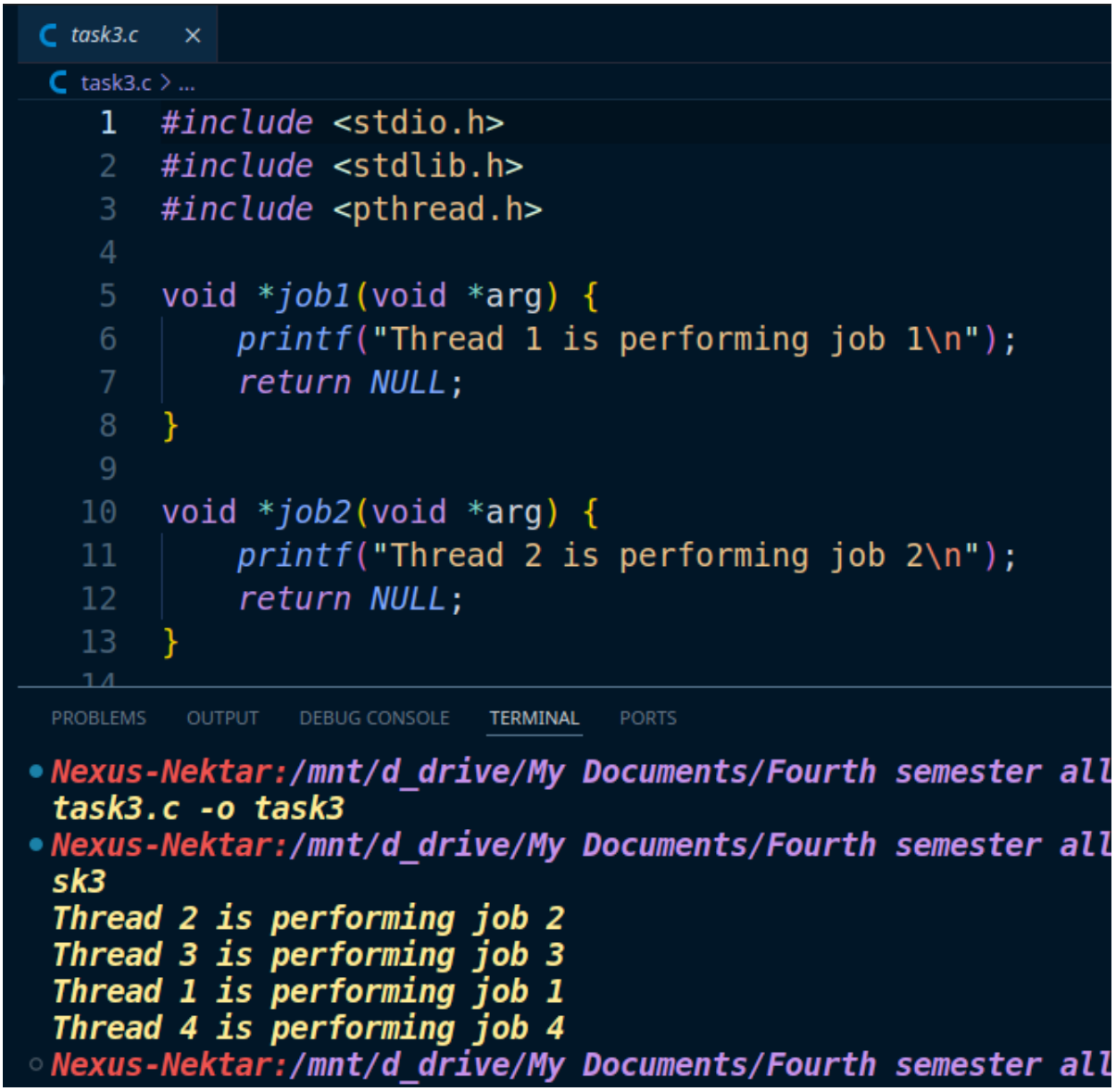
Task 1:



Task 2:



Task 3 :


task3.c
task3.c > ...
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <pthread.h>
4
5 void *job1(void *arg) {
6 printf("Thread 1 is performing job 1\n");
7 return NULL;
8 }
9
10 void *job2(void *arg) {
11 printf("Thread 2 is performing job 2\n");
12 return NULL;
13 }
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Nexus-Nektar:/mnt/d_drive/My Documents/Fourth semester all
task3.c -o task3
Nexus-Nektar:/mnt/d_drive/My Documents/Fourth semester all
sk3
Thread 2 is performing job 2
Thread 3 is performing job 3
Thread 1 is performing job 1
Thread 4 is performing job 4
Nexus-Nektar:/mnt/d_drive/My Documents/Fourth semester all

Task 4 :

task4.c

task4.c > main()

```c
#include <stdio.h>
#include <stdlib.h>
#include <pthread.h>
#include <unistd.h>

void *thread_function(void *arg)
{
    pthread_t tid = pthread_self();

    pid_t pid = getpid();

    printf("Thread ID: %lu, Process ID: %d\n", tid, pid);
    printf("Thread %lu is executing\n", tid);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
Nexus-Nektar:/mnt/d_drive/My Documents/Fourth semester all documents/
sk4
Thread ID: 126434695706304, Process ID: 7029
Thread 126434695706304 is executing
Thread ID: 126434536310464, Process ID: 7029
Thread 126434536310464 is executing
Thread ID: 126434687313600, Process ID: 7029
Thread 126434687313600 is executing
Thread ID: 126434678920896, Process ID: 7029
Thread 126434678920896 is executing
Nexus-Nektar:/mnt/d_drive/My Documents/Fourth semester all documents/
```