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Q1a:

Explanation: YES

Removing *pthread_join()* will lead to incomplete execution of the *MyTurn* thread, resulting in missing output from that thread.

Q1b:

Explanation of Output:

- a) The *MyTurn* thread starts and prints "*My Turn i= 1" to "My Turn i= 5*", with a 2-second sleep between each print.
- b) The *pthread_join(thread, NULL);* ensures that the main thread waits for the *MyTurn* thread to complete before proceeding.
- c) After the *MyTurn* thread completes, the *YourTurn* function is called, which prints "Your Turn 1" to "Your Turn 5", with a 1-second sleep between each print.

Q1c:

```
pthread_exit(0);

int main()

thread_t thread1, thread2;
pthread_create(&thread1, NULL, MyTurn, NULL);
pthread_join(thread1, NULL);
pthread_join(thread2, NULL);
return 0;

LAB05 — -zsh — 80x13

([base] aiwaziri@MacBookPro LAB05 % gcc — o output_c code1c.c —lpthread |
([base] aiwaziri@MacBookPro LAB05 % ./output_c |

Your Turn 1

My Turn i= 1

Your Turn 2

Your Turn 3

My Turn i= 2

Your Turn 4

Your Turn 5

My Turn i= 3

My Turn i= 3

My Turn i= 4

My Turn i= 5

(base) aiwaziri@MacBookPro LAB05 % ■
```

Q2a:

```
C code2ac > ⊕ main()

##include < stdio.lb>
##include < pthread.lb>

##include < pthread.lb

##include < pthread * pthread.lb

##include < pt
```

Q2b: