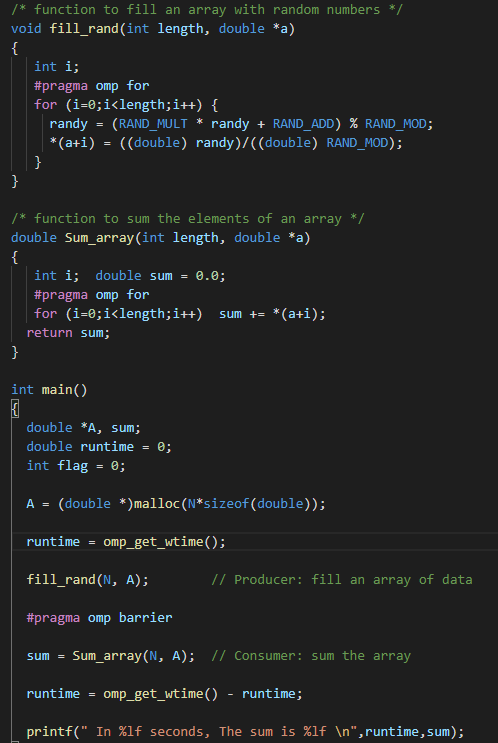
**Task 1:**

**Without Parallelism:**

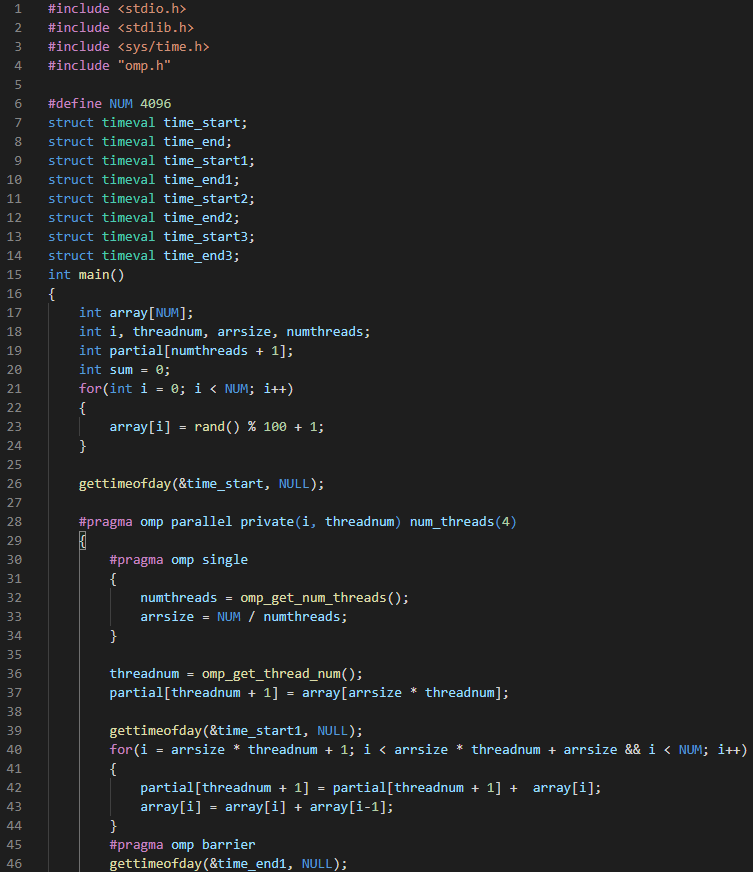


**With Parallelism:**

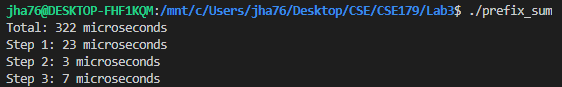




**Task 2:**







**Task 3:**