In this assignment, you should change an existing program in order to make it parallel using OpenMP directives:

1. The given program calculates the number of prime numbers less than a set of integers.
2. You should add your desired include files or namespaces.
3. Do not change the main code. Just add OpenMP directives.
4. Do the calculation once without OpenMP directives and then with them.
5. In the case of using OpenMP, use 1, 2 and 4 threads.
6. Report your results on a document and send it in addition to the OpenMP-fied code.
7. What’s your best speed-up on the experiments?