

CMPE 261: Large Scale Programming

Worksheet 7B

Istanbul Bilgi University

Fall 2021

RULES

- This work is an individual study. Plagiarism is strictly prohibited, involved students will be penalized by -100.
- Late submissions will not be accepted. Submission system will be closed after deadline. Submissions via e-mail will not be accepted.
- Black-box testing will be applied for the evaluation. Therefore, **the given template must be used for the answers**. Otherwise, any point will not be given.
- Partial grade will not given for the answers.

QUESTION

Find the largest factor of a number (except than itself) by using multiple Threads.

Part I

Write a method dedicating the threads for checking divisibility by the multiples of two.

Part II

Write another method dedicating the threads for checking divisibility by the rest of the integers.

Part III

Write a Thread class operates for written method in Part I.

Part IV

Write a Thread class operates for written method in Part II.

Note: Submit your answers by filling the given template.

Note: Do not forget to justify your answers with comments. The codes without comments will not be evaluated.