



**T.C. İSTANBUL KÜLTÜR ÜNİVERSİTESİ**  
Engineering Faculty  
Computer Engineering Department  
2024/2025 Spring  
COM4023 COMPUTER ORGANIZATION

**LAB Assignment 3**

*Read the following instructions:*

- 1. You can download the assignment from the Assignments section in CATS.*
- 2. The name of your assignment should be in the format (Assignment name\_Student\_ID). For example; Assuming your student number for this assignment is 2000001565, the naming of your assignment will be (Assignment3\_2000001565).*
- 3. You must submit your assignment in .mas format to CATS. Assignments submitted in other formats such as pdf, word, and jpeg will not be considered.*
- 4. You must submit the .mas files containing the answers to each question in a single folder.*
- 5. Your assignment will not be accepted by e-mail, you must upload it to CATS by the due to the specified deadline. No delay will be accepted (No excuses).*
- 6. Any question without an answer will be graded 0.*
- 7. Students who copy their answers from their friends or give their answers to their friends will be graded 0 in this assignment.*

**Q1 (50 Points):** Write the MARIE program that prints the first two letters of your name on the screen.

**Q2 (50 Points):** Write a MARIE Assembly code to execute the multiplication process using the recursive summation. Let the user enter X and N as integer values, where X is the base number and N is the number of iterations. Add X to itself N times recursively.

Example: X=5, N=3

=>  $5*3 = 5+5+5 = 15$