**ES Lab 3 Report**

**Programs on Arithmetic Instructions**

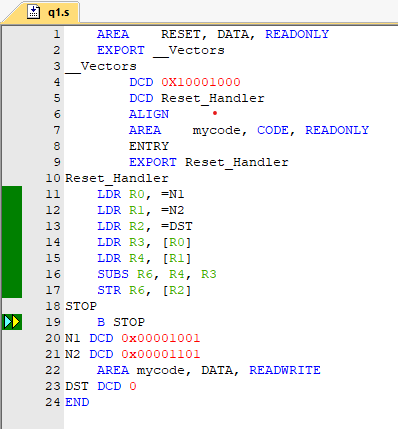
Date: 22nd January, 2025

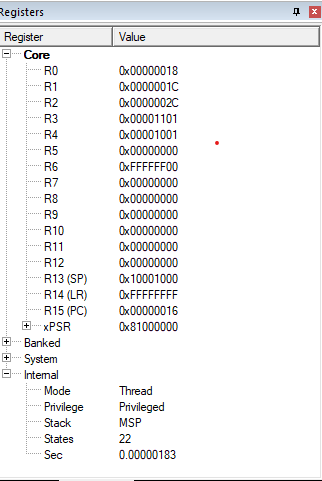
Phirozgar Irani

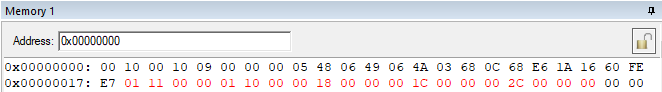
230905370

CSE 4B: B2

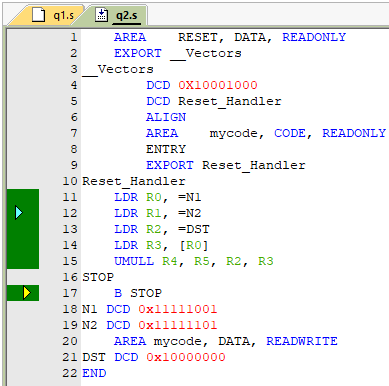
Q1. Subtraction of 2 32-bit numbers

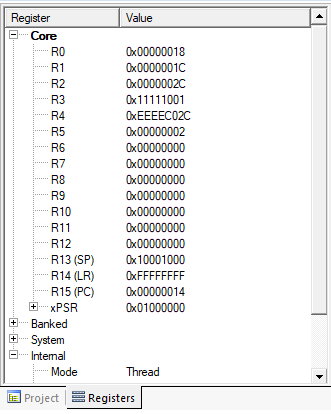




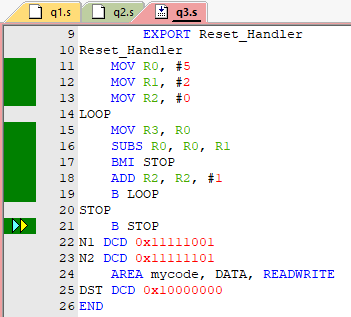


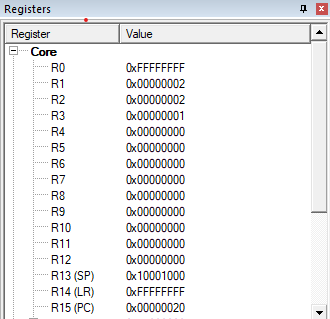
Q2. Multiplication of 2 32-bit numbers ­



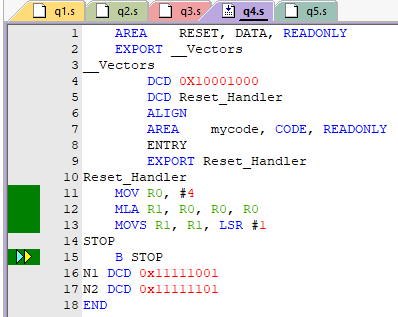


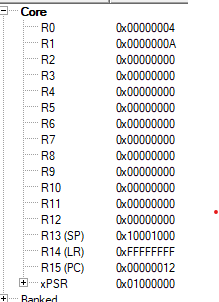
Q3. Implement division by repetitive subtraction



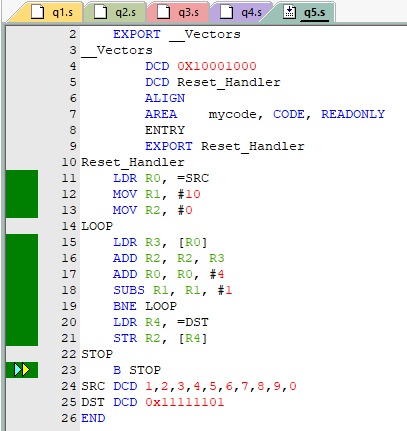


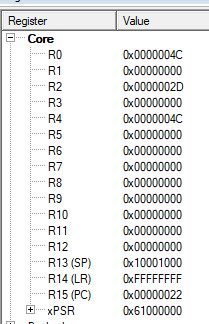
Q4. Sum of ‘n’ natural numbers using MLA instruction



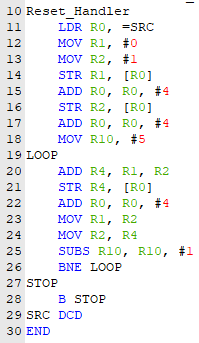


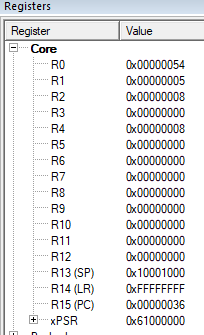
Q5. Add 10 32-bit numbers available in code memory





Q6. Generate Fibonacci series





Q7. Find LCM and GCD of 2 8-bit numbers

