**ES Lab 2 Report**

**Programs on Data Transfer Instructions**

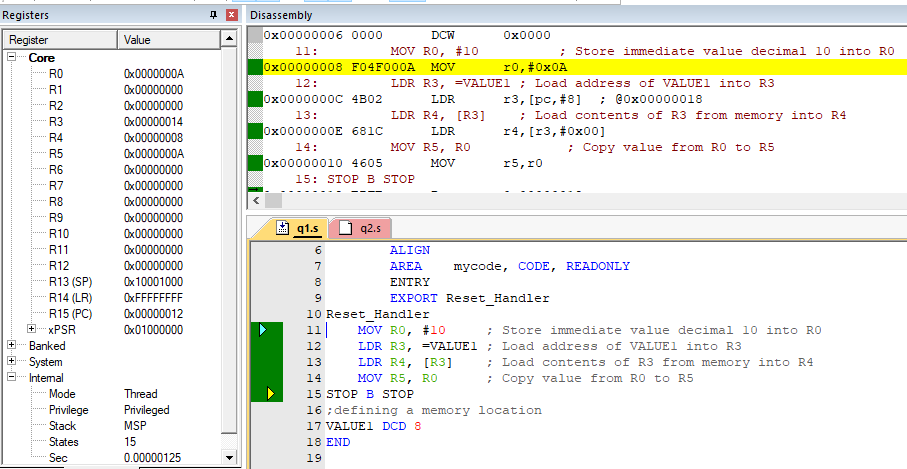
Date: 15th January, 2025

Phirozgar Irani

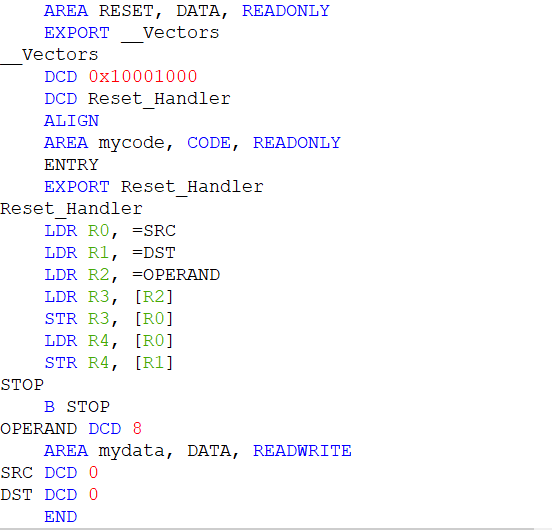
230905370

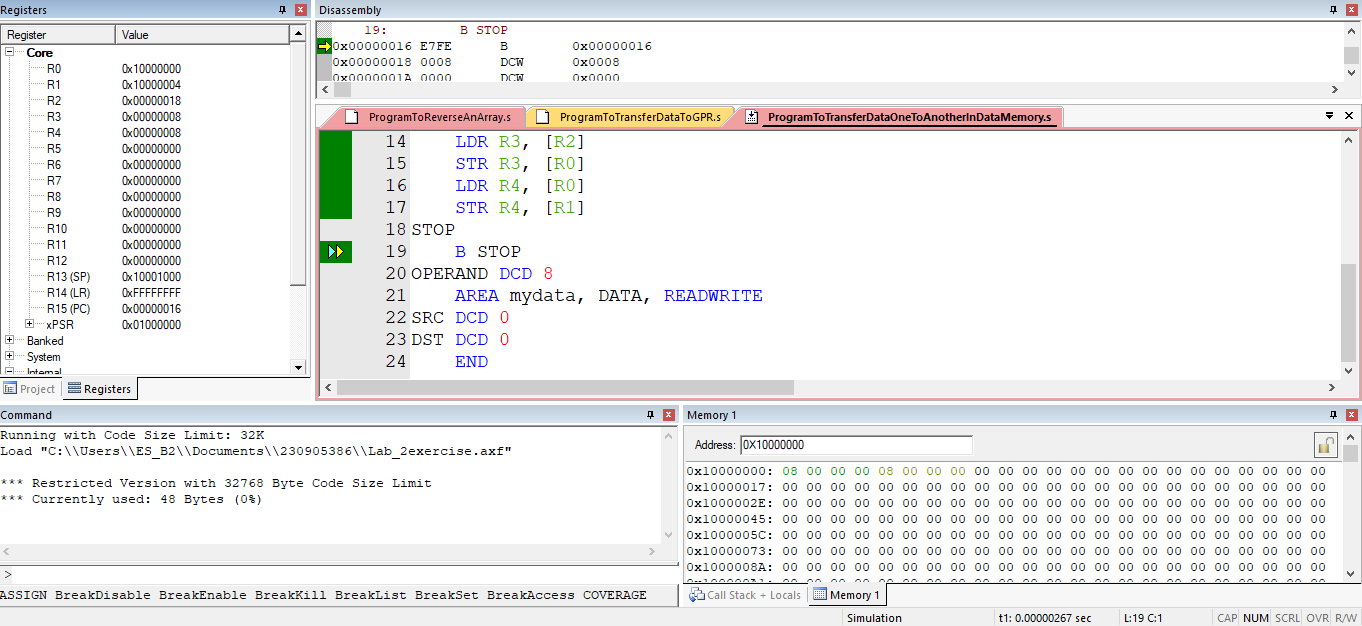
CSE 4B: B2

Q1. WRITE AN ARM ASSEMBLY LANGUAGE PROGRAM TO STORE DATA INTO GENERAL PURPOSE REGISTERS

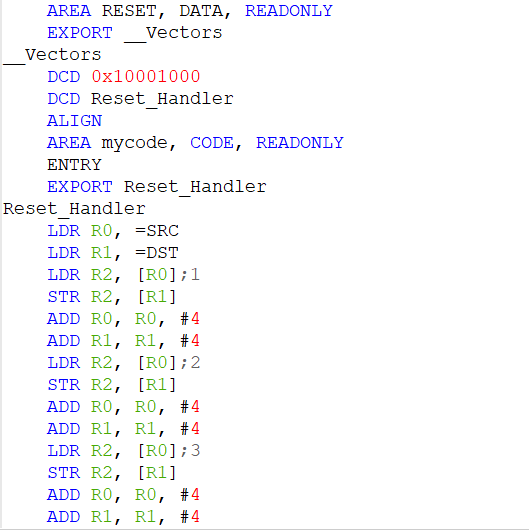


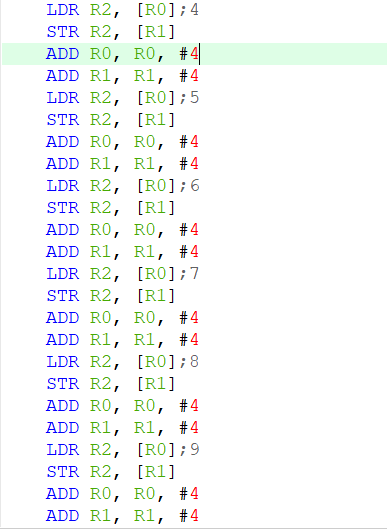
Q2. WRITE AN ARM ASSEMBLY LANGUAGE PROGRAM TO transfer a 32-bit number from one location in the data memory to another location in the data memory.

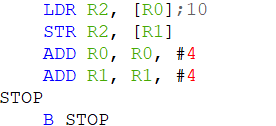


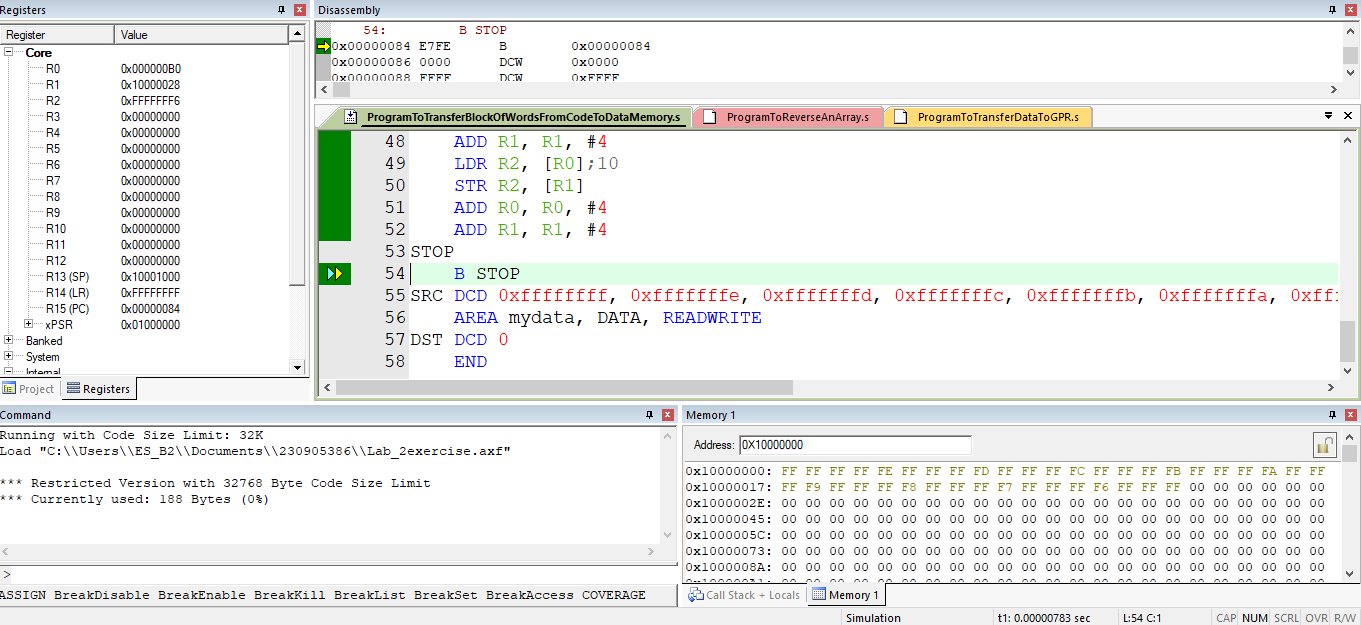


Q3. WRITE AN ARM ASSEMBLY LANGUAGE PROGRAM TO transfer block of ten 32-bit numbers from code memory to data memory when the source and destination blocks are non-overlapping.



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Q4. WRITE AN ARM ASSEMBLY LANGUAGE PROGRAM TO Reverse an array of ten 32-bit numbers in the memory.

