



Indian Institute of Technology Bombay

**Microprocessors Lab
EE 337**

**Lab 2
January 21, 2025**

**Mridul Choudhary
23B3933**

Contents

1	Lab 2	2
1.1	Aim of the experiment	2
1.2	Experimental results	2

1 Lab 2

1.1 Aim of the experiment

1. Write an assembly program to add two 16-bit numbers.
2. Write an assembly program to swap the contents of two memory locations using the XOR operation.
3. Write an assembly program to find the sum of all the odd numbers present in the given numbers.

1.2 Experimental results

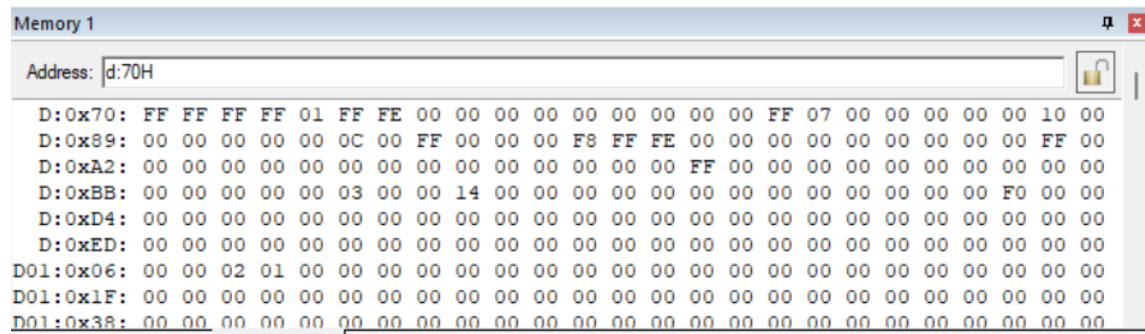


Figure 1: Part I Memory

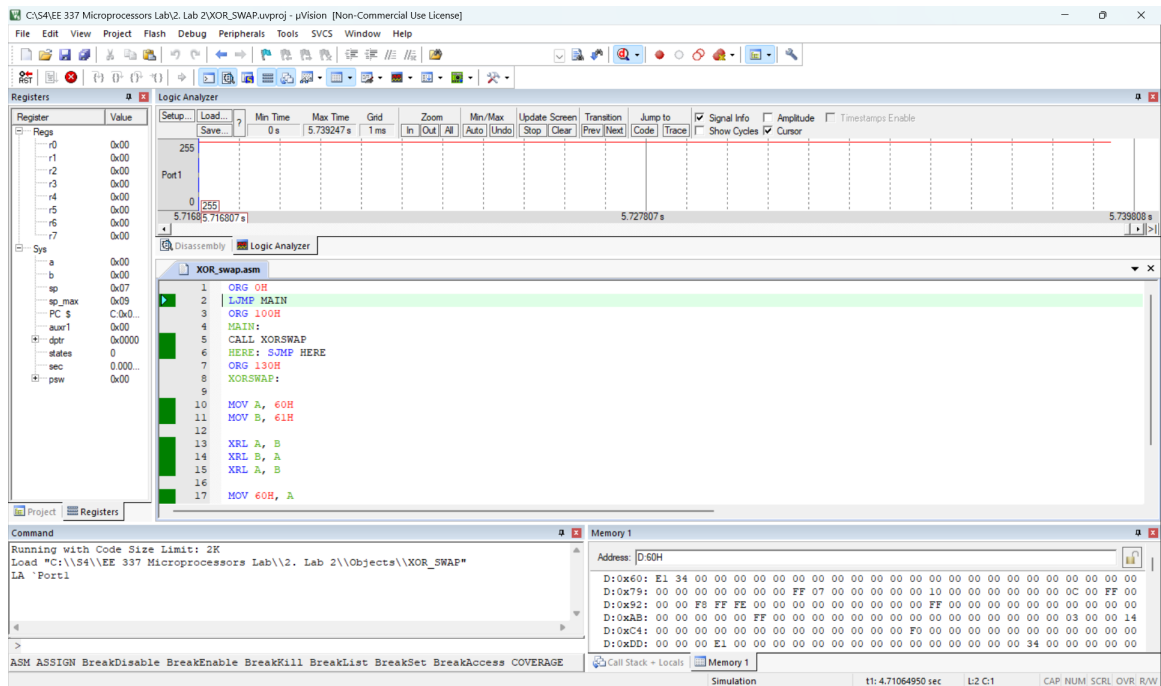


Figure 4: Part II Window

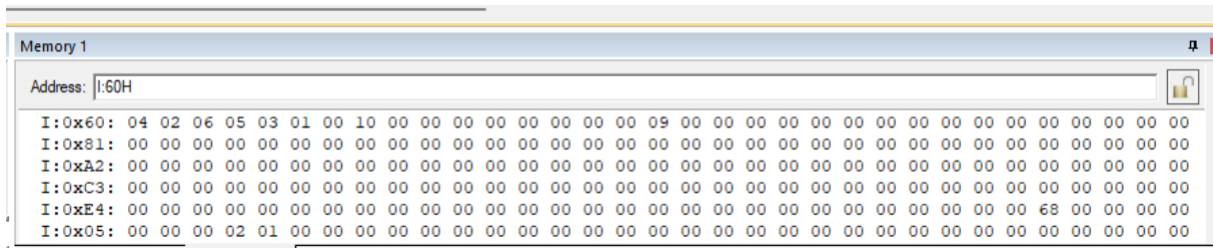


Figure 5: Part III Memory

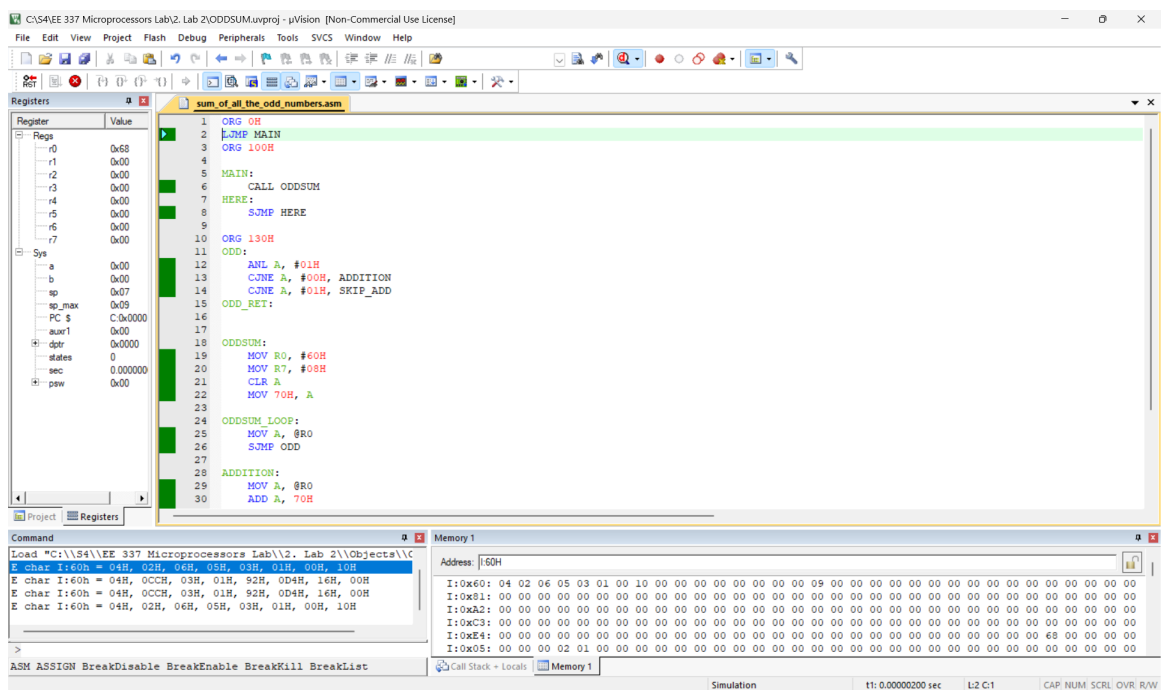


Figure 6: Part III Window