1. In a LC-2 machine, there are 16 numbers stored in memory addressed from \( \times 4100 \) to \( \times 410F \). Write a LC-2 machine language program (following the format in Figure 5.8 at Page 109 inside your Text book.) to add all of them up and store the result into Memory addressed \( \times 4110 \). Your program should begin with the address \( \times 3000 \).

2. Solve the problem 6.7 on Textbook Page 136.

Note:

Please write your last four digits of your SSN on your answer sheet.