Problem 1:

Write MIPS assembly program that reads 3 numbers from the memory, adds them, and stores the result back in the memory.

Problem 2:

Write MIPS assembly program that reads 2 numbers from the memory, finds the largest number and stores the largest in $s5.

Problem 3:

Write MIPS assembly program that sums up elements of an array that contains 8 elements then calculates the average and stores both the sum and average in the memory. Assume there is no div instruction.

Problem 4:

Write MIPS assembly program that after reading the elements of an array 0f 10 elements , gets the maximum and the minimum and stores them in registers $s5, $s6 respectively.
Hint: Assume that initial value of maximum =0 and minimum =1000.

Problem 5:

Write MIPS assembly program that after reading the elements of an array of 10 elements that contains negative, positive and zero numbers, counts the zeros and stores it in $s7, and stores the negative numbers in another array.

Problem 6:

Write MIPS assembly program that given a hexadecimal number 0xAB5F, should swap the values of bits from 0 to bits 7 with bits 8 to 15, so that the value become 0x5FAB using logic operations. Any value needed in the problem must be read from the memory.