

Lab Assignment- 9
Practice Lab
Week 14: 18Nov-24th Nov, Dec 2022
Lab 9 (MIPS Simulator-Mars)

1. Write a MIPS program which takes an array from user and count negative numbers which are at odd index of array.
Input array: -66, -22, -23,39, -37, -38, -61,65
Output: 02H
2. Write a MIPS program which takes an array from user and count positive numbers which are at even index of array.
Input array: -66, -22, -23,39, -37, -38, -61,65
Output: 00H
3. Write an MIPS program that multiplies the number in \$t0 by 46. (without mul instruction).
4. Write an MIPS program that divides the number in \$t0 by 28. (without div instruction)
5. Write MIPS program that finds a number in an array using linear search.
6. Write MIPS program that finds a number in an array using binary search.
7. Write MIPS program that finds and prints the smallest number in the integer array "arry".
The declaration of the array is shown below.
Arry: 100,10,3, -2,110,0, -50,150,-17,8
Output: -50