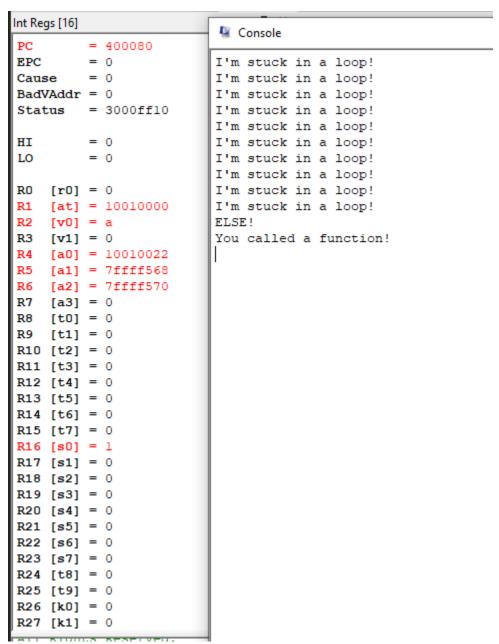
1. jump.s



2. My code will need to define a bunch of variables, including the array itself, the length of the array, a few blank variables to hold the sum and average. Then a few labels to define the sum and average as well as a new line. As for the code itself, I will assign various variables to registers, and then start a loop that will iterate through the array, adding each element to the sum. Then I will loop through until the I matches the length. After that I will print out the results, printing the label needed, then the correct variable to correspond to it and close the file.

3. Assembly Code

```
# Program header
# arrAvg.s
# Performs the average of an array
# Zach Healy

# data secion
data
# arr: .word 13, 15, 17, 19, 22, 43, 45, 87, 99, 199

len: .word 10
    sum: .word 0
    avg: .word 0
    sLab: .asciiz "Sum: "
    aLab: .asciiz "Average: "
    nLine: .asciiz "\n"
```

a.

```
# code section
      li $s2, 0 #sum
lw $s3, len #length
li $s4, 0 #i = 0
       li $v0, 4
la $a0, sLab
syscall
       li $v0, 4
la $a0, nLine
syscall
```

b.

4. Output

Sum: 559
Average: 55

a.