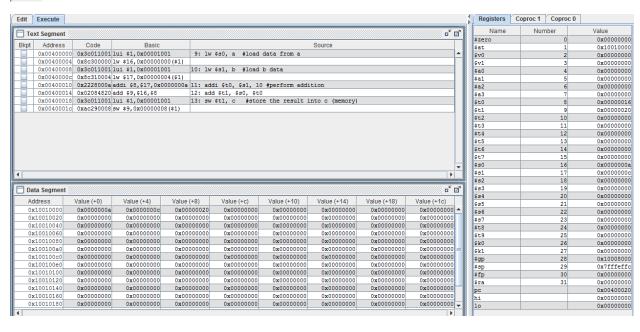
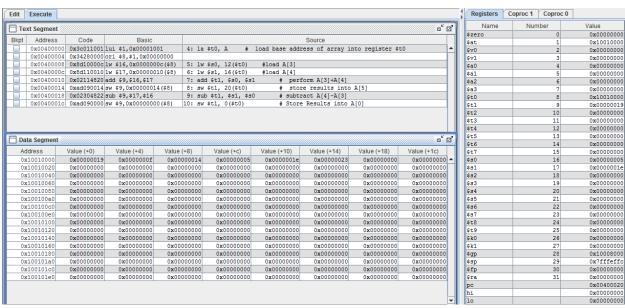
```
HW2 Q1
 1 .data #declare data segment
    a: .word 10
 2
 3 b: .word 12
    c: .word 0
 4
 5
 6
    .text #code segment
 7
 8
 9
   lw $s0, a #load data from a
10
   lw $sl, b #load b data
    addi $t0, $s1, 10 #perform addition
11
12
   add $t1, $s0, $t0
13
   sw $t1, c #store the result into c (memory)
14
```



```
HW2_Q1
           HW2_Q2
   .data
          .word 10,15,20,5,30,0 # declare the array
2
    A:
3
   text
   la $t0, A
               # load base address of array into register $t0
 4
   lw $s0, 12($t0)
5
                     #load Af31
   lw $s1, 16($t0)
                     #10ad A[4]
6
7
   add $t1, $s0, $s1
                         # perform A[3]+A[4]
   sw $t1, 20($t0)
                          # store results into A[5]
8
9 sub $t1, $s1, $s0
                         # subtract A[4]-A[3]
10 sw $t1, 0($t0)
                          # Store Results into A[0]
```



```
HW2 Q3
  HW2 Q1
            HW2 Q2
    .data
 2
 3
    .text
    li $s0, 0x80000000
 4
    li $s1, 0xD0000000
 5
 6
 7
    add $t0, $s0, $s1
 8
 9
    sub $t1, $s0, $s1
 10
 11
    # #t0 and #t1 will not have correct results
12
13 # because of overflow error
1.4
```