Bottom text

Lab B

Sample text

jonathan lai 214838445

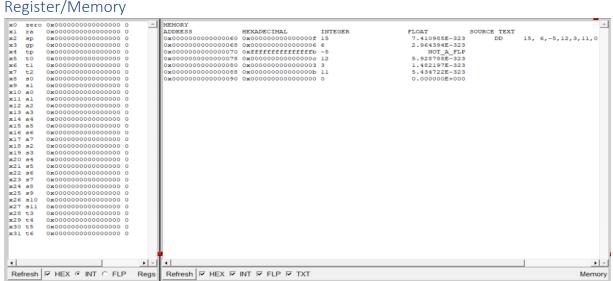
Program 1:

Code:

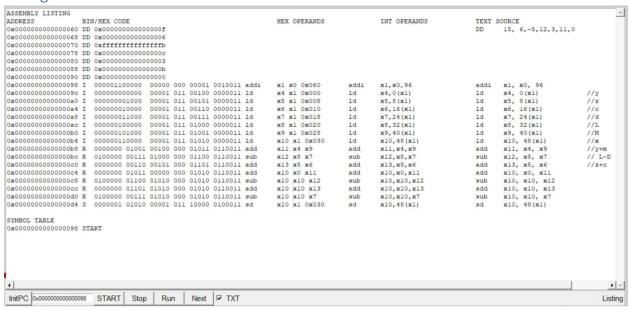
```
ORG 96
DD 15, 6,-5,12,3,11,0
addi x1, x0, 96
ld x4, 0(x1) //y
ld x5, 8(x1) //z
ld x6, 16(x1) //c
1d \times 7, 24(\times 1)//d
ld x8, 32(x1)//L
ld x9, 40(x1) //M
ld x10, 48(x1)//x
add x11, x4, x9 //y+m
sub x12, x8, x7 // L-D
add x13, x5, x6 //z+c
add x10, x0, x11
sub x10, x10, x12
add x10, x10, x13
sub x10, x10, x7
sd x10, 48(x1)
```

After compile (Before run):

Register/Memory

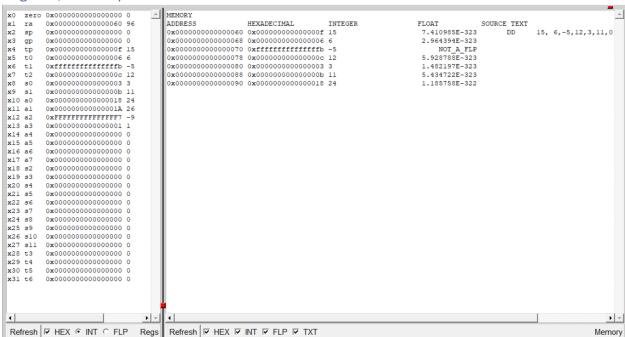


Listing

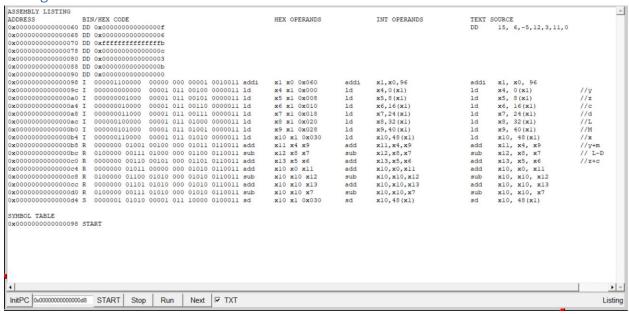


After Run:

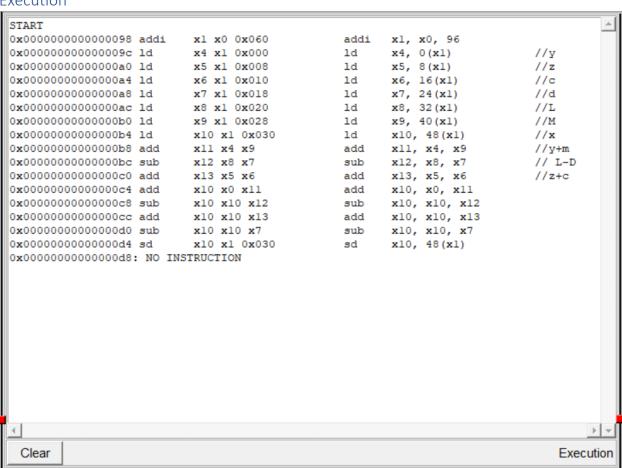
Register/Memory



Listing



Execution



Program v2:

Code:

```
addi x2, x0, 15 //y
addi x3, x0, 6 //z
addi x4, x0, -5 //c

ld x5, 0(x1) //D
ld x6, 8(x1) //L
ld x7, 16(x1) //M

addi x8, x0, 0 //X

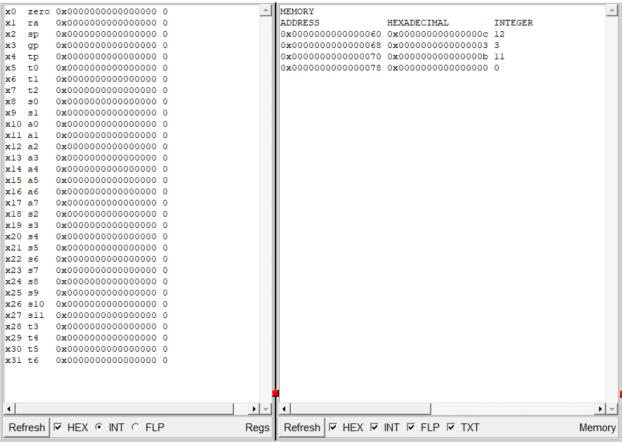
add x9, x2, x7 //Y + M
sub x10, x6, x5 //L -D
add x11, x3 , x4 // Z + C

add x8, x0, x9
sub x8, x8, x10
add x8, x8, x11
sub x8, x8, x5

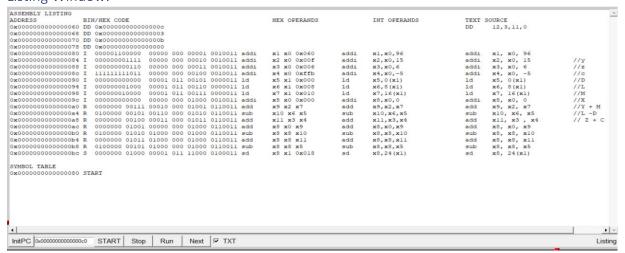
sd x8, 24(x1)
```

Before Run(After compile):

Register/Memory

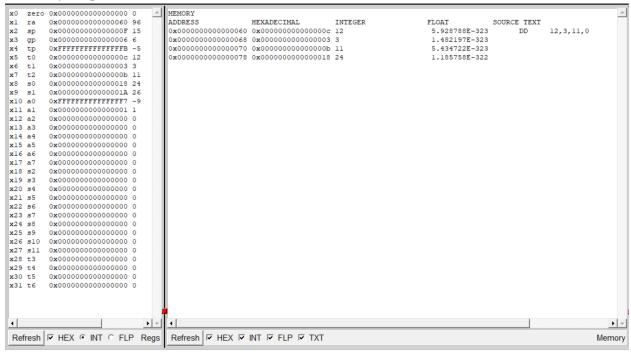


Listing Window:

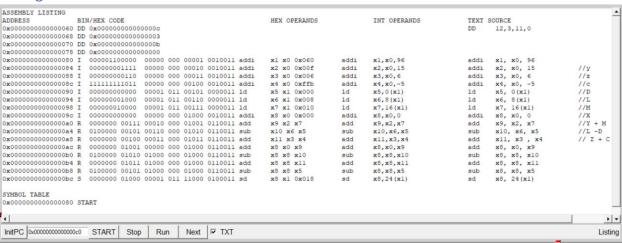


After run:

Memory/Register Window:



Listing



Execution Window

