14주차 실습과제

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1번

.data

.text

.globl main

main:

#$s0 = amount, $s1 = fee

beq #$s0, 20, case\_20

beq #$s0, 30, case\_30

j default

case\_20:

addi $s1, $0, 2

j done

case\_30:

addi $s1, $s0, 3

j done

default:

addi $s1, $s0, 0

j done

done:

li $v0, 10

syscall

2번

.data

.text

.globl main

main:

#$s0 = pow, $s1 = x

addi $s0, $0, 1

addi $s1, $0, 0

addi $t0, $0, 128

while:

beq $s0, $t0, done

sll $s0, $s0, 1

addi $s1, $s1, 1

j while

done:

li $v0, 10

syscall

3번

.data

.text

.globl main

main:

#$s0 = i, $s1 = sum

addi $s1, $0, 0

add $s0, $0, $0

addi $t0, $0, 10

for:

beq $s0, $t0, done

add $s1, $s1, $s0

addi $s0, $s0, 10

j for

done:

li $v0, 10

syscall

4번

.data

.text

.globl main

main:

addi $s1, $0, 0

addi $s0, $0, 1

addi $t0, $0, 101

loop:

slt $t1, $s0, $t0

beq $t1, $0, done

add $s1, $s1, $s0

sll $s0, $s0, 1

j loop

doen:

li $v0, 10

syscall