```
Homework 09
CS536
Question 1.
.text
.globl main
func:
    #Prologue
    sw $ra, 0($sp) #Push
    subu $sp, $sp, 4
    sw $fp, 0($sp) #Push
    subu $sp, $sp, 4
    addu $fp, $sp, 8
    lw $t0 4($sp)
    addu $sp, $sp, 4
    lw $t1 4($sp)
    addu $sp, $sp, 4
    #Function body
    ## WhileStmt
    .L0:
    ## WhileCondition
    ## b > a
    bgt $t1, $t0, .L2
    j .L1
    .L2:
    ##Assign
    addu $t0, $t0, $t1
    j .L0
    .L1: #Lool Successor
    #Return
    j_func_Exit
    func Exit:
    #Epilogue
    lw $ra, 0($fp)
    move $t0, $fp #save control link
    lw $fp, -4($fp) #restore FP
    jr $ra
```

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Question2.

The code could be something along the lines of