

## CMSC216 Week13Lab1 (Lab Work)

Last Name:

First Name:

Numeric University ID:

**Complete the following task and submit your work to GradeScope**

A. Complete the **count\_between\_C\_S.s** question

This code counts the number of letters between C and S in a string (represented with the label **input**). Include 'C' and 'S' in the count.

**HANDWRITTEN ONLY!! Typed answers will be penalized.**

,text

main:

```
li $t0, 0
la $t1, input
addi $t2, $0, 67
addi $t3, $0, 83
```

loop:

```
lb $t2, 0($t1)
beqz $t2, done
blt $t2, $t3, outside_range
bgt $t2, $t4, outside_range
addi $t0, $t0, 1
```

outside\_range:

```
addi $t1, $t1, 1
j loop
```

done 1:

```
la $a0, count_msg
```

```
li $v0, 4
```

```
syscall
```

```
move $a0, $t0
```

```
li $v0, 1
```

```
syscall
```