0Jason Cromer

CSC 256-02

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Assignment Two

**Code:**

#inp1 $s0

#inp2 $s1

#ans $s2

.data

str1: .asciiz "Please enter an Integer: "

str2: .asciiz "First number divisible by second!"

.text

main: li $v0, 4 #cout << str1

la $a0, str1 #

syscall #

li $v0, 5 #cin >> $s0

syscall #

move $s0, $v0 #

li $v0, 4 #cout << str1

la $a0, str1 #

syscall #

li $v0, 5 #cin >> $s1

syscall #

move $s1, $v0 #

rem $s2, $s0, $s1 #$s2 = $s0 % $s1

bne $s2, $0, ifout #if($s2 == 0)

li $v0, 4 #cout << str2

la $a0, str2 #

syscall #

ifout:

li $v0, 10 #exit cleanly

syscall #

**Output:**

Please enter an Integer: 6

Please enter an Integer: 3

First number is divisible by second!

-- program is finished running --

Please enter an Integer: 7

Please enter an Integer: 3

-- program is finished running --