

QtSpim

File Simulator Registers Text Segment Data Segment Window Help

FP Regs Int Regs [16] Data Text

Int Regs [16]

PC = 4000b4  
EPC = 0  
Cause = 0  
BadVAddr = 0  
Status = 3000ff10  
HI = 0  
LO = 0  
R0 [r0] = 0  
R1 [at] = 10010000  
R2 [v0] = a  
R3 [v1] = 0  
R4 [a0] = 0  
R5 [a1] = 7ffff614  
R6 [a2] = 7ffff620  
R7 [a3] = 0  
R8 [t0] = a  
R9 [t1] = 9  
R10 [t2] = 0  
R11 [t3] = 0  
R12 [t4] = 0  
R13 [t5] = 0  
R14 [t6] = 0  
R15 [t7] = 0  
R16 [s0] = 0

User data segment [10000000]..[10040000]  
[10000000]..[1000ffff] 00000000  
[10010000] 65746e45 30312072 6d756e20 73726562 Enter 10 numbers  
[10010010] 000a203a 20656854 206d7573 7420666f : . . The sum of t  
[10010020] 4f206568 6e206464 65626d75 65207372 he Odd numbers e  
[10010030] 7265746e 69206465 20203a73 00203a00 ntered is: . : .  
[10010040] 0000000a 00000000 00000000 00000000 . . . . .  
[10010050]..[1003ffff] 00000000

User Stack [7ffff610]..[80000000]  
[7ffff610] 00000002 7ffff6ed 7ffff6d1 00000000 . . . . .  
[7ffff620] 7fffffe1 7fffffb9 7fffff82 7fffff46 . . . . . F . . . .  
[7ffff630] 7fffff15 7fffff00 7ffffedc 7ffffeaa . . . . .  
[7ffff640] 7ffffe79 7ffffe51 7ffffe44 7ffffe2d y . . . Q . . . D . . . - . . . .  
[7ffff650] 7ffffe02 7ffffdec 7ffffdd5 7ffffdb3 . . . . .  
[7ffff660] 7ffffd89 7ffffd7b 7ffffa38 7ffff9fa . . . . { . . . . 8 . . . . .  
[7ffff670] 7ffff9df 7ffff9c2 7ffff978 7ffff966 . . . . . x . . . . f . . . .  
[7ffff680] 7ffff94e 7ffff933 7ffff90f 7ffff8e6 N . . . 3 . . . . .  
[7ffff690] 7ffff8c8 7ffff85d 7ffff846 7ffff832 . . . . ] . . . F . . . 2 . . . .  
[7ffff6a0] 7ffff823 7ffff80d 7ffff7e5 7ffff7be # . . . . .  
[7ffff6b0] 7ffff7ab 7ffff789 7ffff779 7ffff75d . . . . . y . . . ] . . . .  
[7ffff6c0] 7ffff723 7ffff711 00000000 00000000 # . . . . .  
[7ffff6d0] 30383300 7275632f 746e6572 6f72502f . 3 8 0 / c u r r e n t / P r o  
[7ffff6e0] 702f326a 326a6f72 732e4141 2f3a4300 j 2 / p r o j 2 A A . s . C : /  
[7ffff6f0] 72657355 6e412f73 77657264 6f72442f U s e r s / A n d r e w / D r o  
[7ffff700] 786f6270 6c6f432f 6567656c 4550432f p b o x / C o l l e g e / C P E

Memory and registers cleared

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proj2AA - Notepad

File Edit Format View Help

```
format: .asciiz": "  
  
SIZE: .word 10  
  
.text  
  
main:  
  
jal init  
  
j user_loop  
  
init:  
  
la $a0, User_Input  
li $v0, 4  
syscall  
  
li $t0, 0  
  
la $t1, SIZE  
lw $t1, ($t1)  
sub $t1, $t1, 1  
  
li $t2, 0  
  
jr $ra  
  
user_loop:  
  
bgt $t0, $t1, final  
  
addi $t0, $t0, 1  
  
la $a0, ($t0)  
li $v0, 1  
syscall  
  
la $a0, format  
li $v0, 4  
syscall  
  
li $v0, 5  
syscall  
  
andi $t3, $v0, 1  
beq $t3, $zero, user_loop  
  
add $t2, $t2, $v0  
j user_loop  
  
final:  
  
la $a0, End_mess  
li $v0, 4  
syscall  
  
la $a0, ($t2)  
li $v0, 1  
syscall  
  
li $v0, 10  
syscall
```

Console

```
1: 1  
2: 1  
3: 1  
4: 1  
5: 1  
6: 1  
7: 1  
8: 1  
9: 1  
10: 1  
The sum of the Odd numbers entered is: 10Enter 10 numbers:  
1: 3  
2: 3  
3: 3  
4: 3  
5: 3  
6: 3  
7: 3  
8: 3  
9: 3  
10: 3  
The sum of the Odd numbers entered is: 30Enter 10 numbers:  
1: 2  
2: 2  
3: 2  
4: 2  
5: 2  
6: 2  
7: 2  
8: 2  
9: 2  
10: 2  
The sum of the Odd numbers entered is: 0
```