

HW3

disassembler.py

Project

main.py ×disassembler.py ×

Run: disassembler ×

Project

Structure

Favorites

Run

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Find

Run and Debug

Run and Test

Run and Profile

Run and Benchmark

Run and Measure

Run and Monitor

Run and Log

Run and Trace

Run and Profile

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Run and Trace

This is an R-type instruction.  
Function code (binary): 100100  
MIPS Instruction: and  
RS: \$t5  
RT: \$t6  
RD: \$t3  
and \$t3,\$t5,\$t6  
  
This is an I-type instruction.  
Function code (binary): 100011  
MIPS Instruction: lw  
RS: \$t2  
RT: \$t1  
immediate: 0000000000001000  
lw \$t1,\$t2,8  
  
This is an J-type instruction.  
Function code (binary): 000010  
MIPS Instruction: j  
Target address: 0x12345  
j 0x12345  
  
This is an R-type instruction.  
Function code (binary): 100010  
MIPS Instruction: sub  
RS: \$s5  
RT: \$t1  
RD: \$t3  
sub \$t3,\$s5,\$t1  
  
This is an R-type instruction.  
Function code (binary): 001000  
MIPS Instruction: jr  
RS: \$ra  
RT: \$zero  
RD: \$zero  
jr \$zero,\$ra,\$zero

Run

TODO

Problems

Terminal

Python Console

Event Log

152:33 LF UTF-8 4 spaces Python 2.7 (HW3)

```
Run: disassembler
sub $t3,$s5,$t1

This is an R-type instruction.
Function code (binary): 001000
MIPS Instruction: jr
RS: $ra
RT: $zero
RD: $zero
jr $zero,$ra,$zero

This is an I-type instruction.
Function code (binary): 001101
MIPS Instruction: ori
RS: $t7
RT: $s0
immediate: 1011111011101111
ori $s0,$t7,48879

This is an I-type instruction.
Function code (binary): 101011
MIPS Instruction: sw
RS: $s4
RT: $t5
immediate: 0000000000100000
sw $t5,$s4,32

This is an R-type instruction.
Function code (binary): 100000
MIPS Instruction: add
RS: $s6
RT: $t5
RD: $t2
add $t2,$s6,$t5

Process finished with exit code 0
```