

TEST REPORT				
TEAM: Team 9: N2EMU				
TEAM MEMBERS: Alex Chmelka, Tyler Zinsmaster, Bryan Borer, Dennis Feng, Dominic Hezel				
Test Case	Pass/Fail	Input	Expected Output	Actual Output
Date of Test: November 14, 2018				
Reason: Initial System Test				
1	Pass	<pre> movi r1, 3 movi r2, 4 add r3, r1, r2 </pre>	<pre> r0 = 0 r1 = 0x00000003 r2 = 0x00000004 r3 = 0x00000007 r4 to r31 = 0 In the misc box:   Program Counter = 0x00000008   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>	<pre> r0 = 0 r1 = 0x00000003 r2 = 0x00000004 r3 = 0x00000007 r4 to r31 = 0 In the misc box:   Program Counter = 0x00000008   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>
2	Pass	<pre> movi r1, 3 addi r2, r1, 52 </pre>	<pre> r0 = 0 r1 = 0x00000003 r2 = 0x00000037 r3 to r31 = 0 In the misc box:   Program Counter = 0x00000004   Current Line = 1   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>	<pre> r0 = 0 r1 = 0x00000003 r2 = 0x00000037 r3 to r31 = 0 In the misc box:   Program Counter = 0x00000004   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>
3	Pass	<pre> movi r2, 3 movi r4, 5 sub r5, r4, r2 </pre>	<pre> r0 to r1 = 0 r2 = 0x00000003 r3 = 0 r4 = 0x00000005 r5 = 0x00000002 r6 to r31 = 0 In the misc box:   Program Counter = 00000008   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>	<pre> r0 to r1 = 0 r2 = 0x00000003 r3 = 0 r4 = 0x00000005 r5 = 0x00000002 r6 to r31 = 0 In the misc box:   Program Counter = 00000008   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>
4	Pass	<pre> movi r2, 3 subi r5, r2, 5 </pre>	<pre> r0 to r1 = 0 r2 = 0x00000003 r3 to r4 = 0 r5 = 0xFFFFFFFF r6 to r31 = 0 In the misc box:   Program Counter = 0x00000004   Current Line = 1   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>	<pre> r0 to r1 = 0 r2 = 0x00000003 r3 to r4 = 0 r5 = 0xFFFFFFFF r6 to r31 = 0 In the misc box:   Program Counter = 0x00000004   Current Line = 1   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>

5	Pass	<pre>movi r2, 0b0110 movi r4, 0b1110 and r5, r4, r2</pre>	<p>r0 to r1 = 0  r2 = 0x00000006  r3 = 0  r4 = 0x0000000e  r5 = 0x00000006  r6 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x00000008  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>	<p>r0 to r1 = 0  r2 = 0x00000006  r3 = 0  r4 = 0x0000000e  r5 = 0x00000006  r6 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x00000008  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>
6	Pass	<pre>movi r4, 0b1010 andi r5, r4, 0b1101</pre>	<p>r0 to r3 = 0  r4 = 0x0000000a  r5 = 0x00000008  r6 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x00000004  Current Line = 1  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file</p>	<p>r0 to r3 = 0  r4 = 0x0000000a  r5 = 0x00000008  r6 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x00000004  Current Line = 1  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file</p>
7	Fail	<pre>movi r4, 0x5000000 andhi r5, r4, 0x4000</pre>	<p>r0 to r3 = 0  r4 = 0x5000000  r5 = 0x4000000  r6 to r31 = 0</p> <p>In the misc box:  Program Counter =0x00000004  Current Line = 1  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>	<p>r0 to r3 = 0  r4 = 0x5000000  r5 = 0x0  r6 to r31 = 0</p> <p>In the misc box:  Program Counter =0x00000004  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>
8	Pass	<pre>movi r4, 0b0110 movi r3, 0b1010 or r5, r4, r3</pre>	<p>r0 to r2 = 0  r3 = 0x0000000a  r4 = 0x00000006  r5 = 0x0000000e  r6 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x00000008  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>	<p>r0 to r2 = 0  r3 = 0x0000000a  r4 = 0x00000006  r5 = 0x0000000e  r6 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x00000008  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>
9	Pass	<pre>movi r4, 0b0110 ori r5, r4, 0b1110</pre>	<p>r0 to r3 = 0  r4 = 0x00000006  r5 = 0x0000000e  r6 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x00000004  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>	<p>r0 to r3 = 0  r4 = 0x00000006  r5 = 0x0000000e  r6 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x00000004  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>

10	Fail	<pre> movi r4, 0xA0000000 orhi r5, r4, 0x2000 </pre>	<p>r0 to r3 = 0  r4 = 0xA0000000  r5 = 0xE0000000  r6 to r31 = 0  In the misc box:  Program Counter = 0x00000004  Current Line = 1  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>	<p>r0 to r3 = 0  r4 = 0x7ffffff  r5 = 0x7ffffff  r6 to r31 = 0  In the misc box:  Program Counter = 0x00000004  Current Line = 1  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>
11	Pass	<pre> movi r4, 0b0110 movi r3, 0b1100 xor r5, r4, r3 </pre>	<p>r0 to r2 = 0  r3 = 0x0000000c  r4 = 0x00000006  r5 = 0x0000000a  r6 to r31 = 0  In the misc box:  Program Counter = 0x00000008  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>	<p>r0 to r2 = 0  r3 = 0x0000000c  r4 = 0x00000006  r5 = 0x0000000a  r6 to r31 = 0  In the misc box:  Program Counter = 0x00000008  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>
12	Pass	<pre> movi r4, 0b0110 xori r5, r4, 0b1100 </pre>	<p>r0 to r3 = 0  r4 = 0x00000006  r5 = 0x0000000a  r6 to r31 = 0  In the misc box:  Program Counter = 0x00000004  Current Line = 1  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>	<p>r0 to r3 = 0  r4 = 0x00000006  r5 = 0x0000000a  r6 to r31 = 0  In the misc box:  Program Counter = 0x00000004  Current Line = 1  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>
13	Fail	<pre> movi r4, 0x10000000 xorhi r5, r4, 0xF000 </pre>	<p>r0 to r3 = 0  r4 = 0x10000000  r5 = 0xE0000000  r6 to r31 = 0  In the misc box:  Program Counter = 0x00000004  Current Line = 1  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.</p>	<p>r0 to r3 = 0  r4 = 0x10000000  r5 = 0x6ffffff  r6 to r31 = 0  In the misc box:  Program Counter = 0x00000004  Current Line = 1  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.</p>
14	Pass	<pre> movi r2, 3 movi r3, 3 beq r2, r3, YES NO: movi r4, 8 YES: movi r5, 8 </pre>	<p>r0 to r1 = 0  r2 = 0x00000003  r3 = 0x00000003  r4 = 0  r5 = 0x00000008  r6 to r31 = 0  In the misc box:  Program Counter = 0x00000010  Current Line = 4  Processor State = 0  Return Address = 0  Break Lines should stay blank    The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.</p>	<p>r0 to r1 = 0  r2 = 0x00000003  r3 = 0x00000003  r4 = 0  r5 = 0x00000008  r6 to r31 = 0  In the misc box:  Program Counter = 0x00000010  Current Line = 4  Processor State = 0  Return Address = 0  Break Lines should stay blank    The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.</p>

15	Pass	<pre> movi r2, 0xF movi r3, 0x1 bge r2, r3, YES NO: movi r4, 8 YES: movi r5, 8 </pre>	<pre> r0 to r1 = 0 r2 = 0x0000000f r3 = 0x00000001 r4 = 0 r5 = 0x00000008 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000010   Current Line = 4   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. </pre>	<pre> r0 to r1 = 0 r2 = 0x0000000f r3 = 0x00000001 r4 = 0 r5 = 0x00000008 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000010   Current Line = 4   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. </pre>
16	Pass	<pre> movi r2, 0xF movi r4, 0x1 movi r5, 1 bgeu r2, r4, YES NO: movi r5, 8 YES: movi r6, 9 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x00000001 r5 = 0x00000001 r6 = 0x00000009 r7 to r31 = 0 In the misc box:   Program Counter = 0x00000014   Current Line = 5   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. </pre>	<pre> r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x00000001 r5 = 0x00000001 r6 = 0x00000009 r7 to r31 = 0 In the misc box:   Program Counter = 0x00000014   Current Line = 5   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. </pre>
17	Pass	<pre> movi r2, 5 movi r4, 5 movi r5, 1 bgt r2, r4, YES NO: movi r5, 8 YES: add r0, r0, r0 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000005 r4 = 0x00000005 r5 = 0x00000008 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000014   Current Line = 5   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000005 r4 = 0x00000005 r5 = 0x00000008 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000014   Current Line = 5   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>
18	Pass	<pre> movi r2, 0x1 movi r4, 15 movi r5, 1 bgtu r2, r4, YES NO: movi r5, 8 YES: add r6, r2, r4 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000008 r6 = 0x00000010 r7 to r31 = 0 In the misc box:   Program Counter = 0x00000014   Current Line = 5   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000008 r6 = 0x00000010 r7 to r31 = 0 In the misc box:   Program Counter = 0x00000014   Current Line = 5   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>
19	Pass	<pre> movi r2, 0x1 movi r4, 0x1 movi r5, 1 ble r2, r4, YES NO: movi r5, 8 YES: </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x00000001 r5 = 0x00000001 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000014   Current Line = 5   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x00000001 r5 = 0x00000001 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000014   Current Line = 5   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>

20	Pass	<p>movi r2, 0x1 movi r4, 0x99 movi r5, 1 bleu r2, r4, YES NO: movi r5, 8 YES:</p>	<p>r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x00000099 r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x00000014 Current Line = 5 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<p>r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x00000099 r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x00000014 Current Line = 5 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
21	Pass	<p>movi r2, 0xF movi r4, 0xF movi r5, 1 blt r2, r4, YES NO: movi r5, 8 YES:</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000f r5 = 0x00000008 r6 to r31 = 0 In the misc box: Program Counter = 0x00000014 Current Line = 5 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000f r5 = 0x00000008 r6 to r31 = 0 In the misc box: Program Counter = 0x00000014 Current Line = 5 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
22	Pass	<p>movi r2, 0x1 movi r4, 0xF movi r5, 1 bltu r2, r4, YES NO: movi r5, 8 YES:</p>	<p>r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x00000014 Current Line = 5 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<p>r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x00000014 Current Line = 5 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
23	Pass	<p>movi r2, 0xF movi r4, 0xE movi r5, 1 bne r2, r4, YES NO: movi r5, 8 YES:</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000e r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x00000014 Current Line = 5 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000e r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x00000014 Current Line = 5 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
24	Pass	<p>movi r2, 0xF movi r4, 0xF movi r5, 1 br YES movi r5, 8 YES:</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x00000014 Current Line = 5 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x00000014 Current Line = 5 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>

25	Pass	<p>movi r2, 0xF movi r4, 0xF movi r5, 3 cmpeq r5, r4, r2</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
26	Pass	<p>movi r2, 0xA movi r5, 3 cmpeqi r5, r2, 0xA</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000a r4 = 0 r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000a r4 = 0 r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
27	Pass	<p>movi r2, 0xF movi r4, 0xE movi r5, 3 cmpge r5, r4, r2</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000e r5 = 0 r6 to r31 = 0 In the misc box: Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000e r5 = 0 r6 to r31 = 0 In the misc box: Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
28	Pass	<p>movi r2, 0xF movi r5, 3 cmpgei r5, r2, 0x1</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0 r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<p>r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0 r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
29	Pass	<p>movi r2, 0x1 movi r4, 0xF movi r5, 3 cmpgeu r5, r4, r2</p>	<p>r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<p>r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 In the misc box: Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>

30	Pass	<pre> movi r2, 0xF movi r4, 0xF movi r5, 3 cmpgt r5, r4, r2 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000f r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<pre> r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000f r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
31	Pass	<pre> movi r2, 0x1 movi r5, 3 cmpgt r5, r2, 0x2 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x00000000 r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x00000000 r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
32	Pass	<pre> movi r2, 0x1 movi r4, 0xF movi r5, 3 cmpgtu r5, r4, r2 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
33	Pass	<pre> movi r4, 0xF movi r5, 3 cmpgtui r5, r4, 0xF </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000000 r4 = 0x0000000f r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<pre> r0, r1, r3 = 0 r2 = 0x00000000 r4 = 0x0000000f r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
34	Pass	<pre> movi r2, 0x1 movi r4, 0x2 movi r5, 3 cmple r5, r4, r2 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x00000002 r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x00000002 r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>

35	Pass	<pre> movi r4, 0x2 movi r5, 3 cmplei r5, r4, 0x3 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000000 r4 = 0x00000002 r5 = 0x00000001 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000008   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000000 r4 = 0x00000002 r5 = 0x00000001 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000008   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>
36	Pass	<pre> movi r2, 0x1 movi r4, 0xF movi r5, 3 cmpleu r5, r4, r2 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000000 r6 to r31 = 0 In the misc box:   Program Counter = 0x0000000c   Current Line = 3   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000000 r6 to r31 = 0 In the misc box:   Program Counter = 0x0000000c   Current Line = 3   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>
37	Pass	<pre> movi r4, 0xF movi r5, 3 cmpleui r5, r4, 0xFF </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000000 r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000008   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000000 r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000008   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>
38	Pass	<pre> movi r2, 0xF movi r4, 0xF movi r5, 3 cmpleu r5, r4, r2 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 In the misc box:   Program Counter = 0x0000000c   Current Line = 3   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 In the misc box:   Program Counter = 0x0000000c   Current Line = 3   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>
39	Pass	<pre> movi r4, 0xFFFF movi r5, 3 cmpleui r5, r4, 0xFF </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x000000ff r5 = 0x00000000 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000008   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x000000ff r5 = 0x00000000 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000008   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>



40	Pass	<pre> movi r2, 0xF movi r4, 0xF movi r5, 3 cmplt r5, r4, r2 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000f r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<pre> r0, r1, r3 = 0 r2 = 0x0000000f r4 = 0x0000000f r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
41	Pass	<pre> movi r4, 0xF movi r5, 3 movi r2, 0x1 cmpltu r5, r4, r2 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
42	Pass	<pre> movi r4, 0xF movi r5, 3 cmplti r5, r4, 0xF </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000000 r4 = 0x0000000f r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<pre> r0, r1, r3 = 0 r2 = 0x00000000 r4 = 0x0000000f r5 = 0x00000000 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
43	Pass	<pre> movi r4, 0xF movi r5, 3 cmpleui r5, r4, 0xFF </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000000 r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<pre> r0, r1, r3 = 0 r2 = 0x00000000 r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>
44	Pass	<pre> movi r4, 0xF movi r5, 3 movi r2, 0x1 cmpne r5, r4, r2 </pre>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>	<pre> r0, r1, r3 = 0 r2 = 0x00000001 r4 = 0x0000000f r5 = 0x00000001 r6 to r31 = 0 </pre> <p>In the misc box:</p> <pre> Program Counter = 0x0000000c Current Line = 3 Processor State = 0 Return Address = 0 Break Lines should stay blank </pre> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty.</p>

45	Pass	<pre> movi r4, 0xF movi r5, 3 cmpnei r5, r4, 0xF </pre>	<p>r0, r1, r3 = 0  r2 = 0x00000000  r4 = 0x0000000f  r5 = 0x00000000  r6 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x00000008  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.</p>	<p>r0, r1, r3 = 0  r2 = 0x00000000  r4 = 0x0000000f  r5 = 0x00000000  r6 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x00000008  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.</p>
46	Pass	<pre> movi r2, 1 call SKIP END: br END SKIP: addi r2, r2, 1 ret </pre>	<p>r0, r1, r3 = 0  r2 = 0x00000002  r4 to r30 = 0  r31 (ra) = 0x8</p> <p>In the misc box:  Program Counter = 0x00000008  Current Line = 2  Processor State = 0  Return Address = 12  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.</p>	<p>r0, r1, r3 = 0  r2 = 0x00000002  r4 to r30 = 0  r31 (ra) = 0x8</p> <p>In the misc box:  Program Counter = 0x00000008  Current Line = 2  Processor State = 0  Return Address = 12  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.</p>
47	Pass	<pre> movi r2, 1 movi r3, 0x14 callr r3 END: br END SKIP: addi r2, r2, 1 ret </pre>	<p>r0, r1 = 0  r2 = 0x1  r3 = 0x14  r4 to r30 = 0  r31 (ra) = 0xc</p> <p>In the misc box:  Program Counter = 0x0000000c  Current Line = 3  Processor State = 0  Return Address = 12  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.</p>	<p>r0, r1 = 0  r2 = 0x1  r3 = 0x14  r4 to r30 = 0  r31 (ra) = 0xc</p> <p>In the misc box:  Program Counter = 0x0000000c  Current Line = 3  Processor State = 0  Return Address = 12  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.</p>
48	Pass	<pre> movi r2, 0b1110 movi r3, 0b0111 movi r4, 0 divi r4, r2, r3 </pre>	<p>r0, r1 = 0  r2 = 0xa  r3 = 0xe  r4 = 0x2  r5 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x0000000c  Current Line = 3  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.</p>	<p>r0, r1 = 0  r2 = 0xa  r3 = 0xe  r4 = 0x2  r5 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x0000000c  Current Line = 3  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.</p>
49	Pass	<pre> movi r2, 0b1110 movi r3, 0b0111 movi r4, 0 divu r4, r2, r3 </pre>	<p>r0, r1 = 0  r2 = 0xa  r3 = 0xe  r4 = 0x2  r5 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x0000000c  Current Line = 3  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.</p>	<p>r0, r1 = 0  r2 = 0xa  r3 = 0xe  r4 = 0x2  r5 to r31 = 0</p> <p>In the misc box:  Program Counter = 0x0000000c  Current Line = 3  Processor State = 0  Return Address = 0  Break Lines should stay blank</p> <p>The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.</p>

50	Fail	<pre> movi r2, 1 jmp! SKIP movi r3, 2 SKIP: addi r2, r2, 1 </pre>	<pre> r0, r1 = 0 r2 = 0x2 r3 = 0x0 r4 to r31 = 0 In the misc box:   Program Counter = 0x0000000c   Current Line = 3   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1 = 0 r2 = 0x1 r3 = 0x0 r4 to r31 = 0 In the misc box:   Program Counter = 0x00000004   Current Line = 1   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>
51	Fail	<pre> movi r2, 1 movi r4, 0x10 jmp r4 movi r3, 2 addi r2, r2, 1 </pre>	<pre> r0, r1 = 0 r2 = 0x2 r3 = 0x0 r4 = 0x10 r5 to r31 = 0 In the misc box:   Program Counter = 0x10   Current Line = 4   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1 = 0 r2 = 0x1 r3 = 0x0 r4 = 0x10 r5 to r31 = 0 In the misc box:   Program Counter = 0x14   Current Line = 5   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>
52	Fail	<pre> movi r2, 1 movi r4, 0x10 jmp r4 movi r3, 2 addi r2, r2, 1 </pre>	<pre> r0, r1 = 0 r2 = 0x2 r3 = 0x0 r4 = 0x10 r5 to r31 = 0 In the misc box:   Program Counter = 0x10   Current Line = 4   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1 = 0 r2 = 0x1 r3 = 0x0 r4 = 0x10 r5 to r31 = 0 In the misc box:   Program Counter = 0x14   Current Line = 5   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>
53	Fail	<pre> movi r2, 1 movi r3, 0x400 stb r2, 0(r3) movi r4, 0 ldu r4, 0(r3) movi r5, 0 ldbu r5, 0(r3) ----- IN THE COMMAND LINE: vm 0 0x400 </pre>	<pre> r0, r1 = 0 r2 = 0x1 r3 = 0x400 r4 = 0x1 r5 = 0x1 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000018   Current Line = 6   Processor State = 0   Return Address = 0   Break Lines should stay blank Memory box:   0: Line: 1024 Value: 1 The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1 = 0 r2 = 0x1 r3 = 0x400 r4 = 0x0 r5 = 0x0 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000008   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank Memory box:   0: Line: 1024 Value: 0 The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>
54	Fail	<pre> movi r2, 0x4321 movi r3, 0x400 sth r2, 0(r3) movi r4, 0 ldh r4, 0(r3) movi r5, 0 ldhu r5, 0(r3) </pre>	<pre> r0, r1 = 0 r2 = 0x4321 r3 = 0x400 r4 = 0x4321 r5 = 0x4321 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000018   Current Line = 6   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>	<pre> r0, r1 = 0 r2 = 0x4321 r3 = 0x400 r4 = 0 r5 = 0 r6 to r31 = 0 In the misc box:   Program Counter = 0x00000008   Current Line = 2   Processor State = 0   Return Address = 0   Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. </pre>

55	Pass	<pre> movi r2, 0x77654321 movi r3, 0x400 stw r2, {r3} movi r4, 0 ldw r4, {r3} </pre>	<p>r0, r1 = 0  r2 = 0x77654321  r3 = 0x400  r4 = 0x77654321  r5 to r31 = 0  In the misc box:  Program Counter = 0x00000010  Current Line = 4  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.</p>	<p>r0, r1 = 0  r2 = 0x77654321  r3 = 0x400  r4 = 0x77654321  r5 to r31 = 0  In the misc box:  Program Counter = 0x00000010  Current Line = 4  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.</p>
56	Pass	<pre> movi r1, 3 movi r2, 4 mov r1, r2 </pre>	<p>r0 = 0  r1 = 0x00000004  r2 = 0x00000004  r3 to r31 = 0  In the misc box:  Program Counter = 0x00000008  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>	<p>r0 = 0  r1 = 0x00000004  r2 = 0x00000004  r3 to r31 = 0  In the misc box:  Program Counter = 0x00000008  Current Line = 2  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>
57	Fail FIXED	<pre> movhi r1, 0x4321 </pre>	<p>r0 = 0  r1 = 0x43210000  r2 to r31 = 0  In the misc box:  Program Counter = 0x00000000  Current Line = 0  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>	<p>r0 = 0  r1 = 0  r2 to r31 = 0  In the misc box:  Program Counter = 0x00000000  Current Line = 0  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>
58	Pass	<pre> movi r1, 3 LABEL: movia r1, LABEL </pre>	<p>r0 = 0  r1 = 0x00000004  r2 to r31 = 0  In the misc box:  Program Counter = 0x00000004  Current Line = 1  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>	<p>r0 = 0  r1 = 0x00000004  r2 to r31 = 0  In the misc box:  Program Counter = 0x00000004  Current Line = 1  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>
59	Fail	<pre> moviu r1, 0x8000 </pre>	<p>r0 = 0  r1 = 0x00008000  r2 to r31 = 0  In the misc box:  Program Counter = 0x00000000  Current Line = 0  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>	<p>r0 = 0  r1 = 0  r2 to r31 = 0  In the misc box:  Program Counter = 0x00000000  Current Line = 0  Processor State = 0  Return Address = 0  Break Lines should stay blank  The input should be displayed in the code box.  The error box should be empty.  Command line should be empty.  Memory Box should be empty.  File path should display the path of the uploaded file.</p>

60	Pass	<pre> movi r1, 3 movi r2, 4 mul r2, r2, r1 </pre>	<p>r0 = 0 r1 = 0x00000003 r2 = 0x0000000C r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 = 0 r1 = 0x00000003 r2 = 0x0000000C r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>
61	Pass	<pre> movi r1, 3 mul r1, r1, 0x4 </pre>	<p>r0 = 0 r1 = 0x0000000C r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 = 0 r1 = 0x0000000C r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>
62	Fail	<pre> movi r1, 5 movi r2, 5 mulxss r1, r1, r2 </pre>	<p>r0 = 0 r1 = 0x00000000 r2 = 0x00000005 r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 = 0 r1 = 0x00000005 r2 = 0x00000005 r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>
63	Fail	<pre> movi r1, 5 movi r2, 5 mulxsu r1, r1, r2 </pre>	<p>r0 = 0 r1 = 0x00000000 r2 = 0x00000005 r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 = 0 r1 = 0x00000005 r2 = 0x00000005 r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>
64	Fail	<pre> movi r1, 5 movi r2, 5 mulxuu r1, r1, r2 </pre>	<p>r0 = 0 r1 = 0x00000000 r2 = 0x00000005 r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 = 0 r1 = 0x00000005 r2 = 0x00000005 r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>

65	Pass	<pre> movi r1, 5 nextpc r1 movi r2, 5 </pre>	<p>r0 = 0 r1 = 0x00000008 r2 = 0x00000005 r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank</p> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 = 0 r1 = 0x00000008 r2 = 0x00000005 r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank</p> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>
66	Pass	<pre> nop nop nop </pre>	<p>r0 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank</p> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank</p> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>
67	Pass	<pre> movi r1, 5 call SKIP movi r1, 6 END: br END SKIP: ret </pre>	<p>r0 = 0 r1 = 0x00000006 r2 to r31 = 0</p> <p>In the misc box: Program Counter = 0x0000000C Current Line = 3 Processor State = 0 Return Address = 0x0000000008 Break Lines should stay blank</p> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 = 0 r1 = 0x00000006 r2 to r31 = 0</p> <p>In the misc box: Program Counter = 0x0000000C Current Line = 3 Processor State = 0 Return Address = 0x0000000008 Break Lines should stay blank</p> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>
68	Pass	<pre> movi r1, 0b0110 movi r2, 0b0001 rol r1, r1, r2 </pre>	<p>r0 = 0 r1 = 0x0000000c r2 = 0x00000001 r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank</p> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 = 0 r1 = 0x0000000c r2 = 0x00000001 r3 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank</p> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>
69	Pass	<pre> movi r1, 0b0110 rol r1, r1, 1 </pre>	<p>r0 = 0 r1 = 0x0000000c r2 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000004 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank</p> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 = 0 r1 = 0x0000000c r2 to r31 = 0</p> <p>In the misc box: Program Counter = 0x00000004 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank</p> <p>The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>

70	Pass	<pre> movi r1, 0b0110 movi r2, 0b0001 ror r1, r1, r2 </pre>	<pre> r0 = 0 r1 = 0x00000003 r2 = 0x00000001 r3 to r31 = 0 In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>	<pre> r0 = 0 r1 = 0x00000003 r2 = 0x00000001 r3 to r31 = 0 In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>
71	Pass	<pre> movi r1, 0b0110 rol r1, r1, 1 </pre>	<pre> r0 = 0 r1 = 0x00000003 r2 = 0x1 r3 to r31 = 0 In the misc box: Program Counter = 0x00000004 Current Line = 1 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>	<pre> r0 = 0 r1 = 0x00000003 r2 = 0x1 r3 to r31 = 0 In the misc box: Program Counter = 0x00000004 Current Line = 1 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>
72	Pass	<pre> movi r1, 0xA movi r2, 4 sll r1, r1, r2 </pre>	<pre> r0 = 0 r1 = 0x0000000A0 r2 = 0x000000004 r3 to r31 = 0 In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>	<pre> r0 = 0 r1 = 0x0000000A0 r2 = 0x000000004 r3 to r31 = 0 In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>
73	Pass	<pre> movi r1, 0xA slli r1, r1, 4 </pre>	<pre> r0 = 0 r1 = 0x0000000A0 r2 to r31 = 0 In the misc box: Program Counter = 0x00000004 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>	<pre> r0 = 0 r1 = 0x0000000A0 r2 to r31 = 0 In the misc box: Program Counter = 0x00000004 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>
74	Fail	<pre> movi r1, 0xA0 movi r2, 4 sra r1, r1, r2 </pre>	<pre> r0 = 0 r1 = 0xFFFFFFFFFA r2 = 0x000000004 r3 to r31 = 0 In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>	<pre> r0 = 0 r1 = 0x7fffffff r2 = 0x000000004 r3 to r31 = 0 In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file. </pre>

75	Fail	<p>movi r1, 0xA0 srai r1, r1, 4</p>	<p>r0 = 0 r1 = 0xFFFFFFFF r2 to r31 = 0 In the misc box: Program Counter = 0x00000004 Current Line = 1 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 = 0 r1 = 0x7fffffff r2 to r31 = 0 In the misc box: Program Counter = 0x00000004 Current Line = 1 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>
76	Fail	<p>movi r1, 0xA0 movi r2, 4 srl r1, r1, r2</p>	<p>r0 = 0 r1 = 0x00000000A r2 = 0x000000004 r3 to r31 = 0 In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 = 0 r1 = 0x7fffffff r2 = 0x000000004 r3 to r31 = 0 In the misc box: Program Counter = 0x00000008 Current Line = 2 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>
77	Fail	<p>movi r1, 0xA0 srl r1, r1, 4</p>	<p>r0 = 0 r1 = 0x00000000A r2 to r31 = 0 In the misc box: Program Counter = 0x00000004 Current Line = 1 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>	<p>r0 = 0 r1 = 0x7fffffff r2 to r31 = 0 In the misc box: Program Counter = 0x00000004 Current Line = 1 Processor State = 0 Return Address = 0 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.</p>
78	Pass	<p>movi r1, 0xA0 srai r1, r1, 4 ----- In Command Line: ab 0 (adds breakpoint at line 0 in the code above) ----- In Command Line: rb 0 (removes breakpoint at line 0 in the code above) ----- In Command Line: ab 0 ab 1 rab (removes all breakpoints)</p>	<p>GUI should display the following: In register box: All 0's In the misc box: All 0's</p>	<p>GUI should display the following: In register box: All 0's In the misc box: All 0's</p>



79	Pass	<pre> movi r1, 0xA0 srai r1, r1, 4  ----- In Command Line: vm 0x0 0x1 vm 0x1 0x2 ----- In GUI: Presses write.txt button. Writes logFile0.txt to logs/ directory in program directory ----- In Command Line: rm 0 rm ram rmLogs ----- In Command Line: cmes veryslow ----- In Command Line slow ----- In Command Line normal ----- In Command Line fast ----- In Command Line extreme </pre>		
80	Pass	<pre> add r0, r0, r0 addi r6, r0, 0x20 addi r2, r0, 2 ori r4, r0, 4 call sum addi r1, r0, 0xBEEF addi r2, r0, 1000 stw r1, {r2} end: br end sum: addi r6, r6, -4 stw r4, {r6} addi r3, r0, 1001 addi r4, r0, 1 loop: ldw r2, {r3} addi r4, r0, 1 beq r2, r4, loop1 br loop loop1: addi r3, r0, 1002 ldw r2, {r3} beq r2, r4, loop2 br loop1 loop2: addi r3, r0, 1003 ldw r2, {r3} beq r2, r4, loop3 br loop2 loop3: addi r3, r0, 1004 ldw r2, {r3} beq r2, r4, endloop br loop3 endloop: nop ret  In GUI: Switch 1 is flipped on Switch 2 is flipped on Switch 3 is flipped on Switch 4 is flipped on </pre>	<pre> r0 = 0 r1 = 0x000DBEEF r2 = 0x3E8 r3 = 0x3ec r4 = 0x1 to r31 = 0 In the misc box: Program Counter = 0x00000014 Current Line = 0x5 Processor State = 1 Return Address = 8 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.  The 4 switches are visibly green to indicate being on The 7 segment displays have the output BEEF </pre>	<pre> r0 = 0 r1 = 0x000DBEEF r2 = 0x3E8 r3 = 0x3ec r4 = 0x1 to r31 = 0 In the misc box: Program Counter = 0x00000014 Current Line = 0x5 Processor State = 1 Return Address = 8 Break Lines should stay blank The input should be displayed in the code box. The error box should be empty. Command line should be empty. Memory Box should be empty. File path should display the path of the uploaded file.  The 4 switches are visibly green to indicate being on The 7 segment displays have the output BEEF </pre>





































