**CMPE140 – Laboratory Assignment 2 Test Log**

**Student Names: 1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Single step through the execution of the given MIPS instructions, observe and record the following values in the test log table below:

* the actual machine code of each instruction executed
* contents of the program counter (PC) and the relevant registers
* contents of memory at location 80 and 84.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Adr | Expected Machine Code | Actual Machine Code | PC | Registers | | | | | Memory Content | |
| $v0 | $v1 | $a0 | $a1 | $a3 | [80] | [84] |
| 00 | 20020005 |  |  |  |  |  |  |  |  |  |
| 04 | 2003000c |  |  |  |  |  |  |  |  |  |
| 08 | 2067fff7 |  |  |  |  |  |  |  |  |  |
| 0c | 00e22025 |  |  |  |  |  |  |  |  |  |
| 10 | 00642824 |  |  |  |  |  |  |  |  |  |
| 14 | 00a42820 |  |  |  |  |  |  |  |  |  |
| 18 | 10a7000a |  |  |  |  |  |  |  |  |  |
| 1c | 0064202a |  |  |  |  |  |  |  |  |  |
| 20 | 10800001 |  |  |  |  |  |  |  |  |  |
| 24 | 20050000 |  |  |  |  |  |  |  |  |  |
| 28 | 00e2202a |  |  |  |  |  |  |  |  |  |
| 2c | 00853820 |  |  |  |  |  |  |  |  |  |
| 30 | 00e23822 |  |  |  |  |  |  |  |  |  |
| 34 | ac670044 |  |  |  |  |  |  |  |  |  |
| 38 | 8c020050 |  |  |  |  |  |  |  |  |  |
| 3c | 08000011 |  |  |  |  |  |  |  |  |  |
| 40 | 20020001 |  |  |  |  |  |  |  |  |  |
| 44 | ac020054 |  |  |  |  |  |  |  |  |  |
| 48 | 08000000 |  |  |  |  |  |  |  |  |  |