|  |  |  |  |
| --- | --- | --- | --- |
| **Name:** | **Lee Yan Cheng** | **Lab Group#:** | **B10** |
| **Student Id:** | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **A** | **0** | **1** | **9** | **9** | **1** | **4** | **1** | **B** | |  | |

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What number base is the value in register **$t1**? **[1 pt]**

|  |
| --- |
| The number base is **16** |

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The ASCII value in **hexadecimal form** is: **[0.5pt each = 2 pts]**

|  |  |  |  |
| --- | --- | --- | --- |
| ‘**H**’:  **48** | ‘**e**’:  **65** | ‘**l**’:  **6C** | ‘**o**’:  **6F** |

The console window shows: **[1 pt]**

|  |
| --- |
| **Hello** |

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Content of the two registers are: **[2 pts]**

|  |  |
| --- | --- |
| **$v0** =  **4** | **$a0** = **10000100** |

|  |
| --- |
| 1. The load instruction is **lb $t0 4($a0) [2 pts]** |
| 1. The difference is **32 [1 pt]** |
| 1. The addi instruction is **addi $t0, $t0, -32 [1 pt]** |
| 1. The store instruction is **sb $t0, 4($a0) [2 pts]** |
| 1. The console window shows **HellO [2 pts]** |