

cpsec 351-Project One --- Jiffies Project --- due 24 Mar 2021 at 2359

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Repository: <https://github.com/kenricluong/CS351-Project-1>

Verify each of the following items and check the correct column. Incorrectly marked items will incur a 5% penalty.

Completed	Not Completed	Jiffies Project
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Modify the <code>hello.c</code> project, and confirm that it correctly makes (using <code>make</code>), and displays the <code>GOLDEN_PRIME_RATIO</code> on module load, and the gcd of 3300 and 24 on module removal.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Create a kernel module that creates a <i>proc file</i> named <code>proc/jiffies</code> , and that reports the current value of jiffies when the <code>proc/jiffies</code> file is read, such as with the command: <code>cat proc/jiffies</code>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Be sure <code>/proc/jiffies</code> is removed when the module is removed
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Save the output of <code>/proc/jiffies</code> , and submit it with your project
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Create a kernel module that creates a <i>proc file</i> named <code>/proc/seconds</code> , that reports the number of elapsed seconds since the kernel module was loaded, such as with the command <code>cat proc/seconds</code>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Your calculation involves jiffies and HZ, and includes the header files needed to compile and run your code
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Be sure <code>/proc/seconds</code> is removed when the module is removed
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Save the output of reading from <code>/proc/seconds</code> , and submit it with your project
Comments		