

## Quiz 2

PROBLEM SOLVING IN C  
(CSCE 105, SUMMER 2006)

URL: <http://www.cse.unl.edu/~cstrope/csce105su06/>

(20 points)

20th July, 2006

Name :  
Course No : **CSCE105**

1. (5 points)

Assuming that the value of **x** is 1, the value of **y** is 4, and the value of **z** is 14, give the value of the following conditional statements:

Expression	Value
<code>x &lt;= 1 &amp;&amp; y == 3</code>	
<code>!(x &gt; 1)</code>	
<code>x &lt;= z &gt;= y</code>	
<code>!(x &lt;= 1    y == 3)</code>	
<code>x &gt;= 1 &amp;&amp; !y == 3    z &lt; 14</code>	

2. (5 points)

Take the english conditions and translate them into C conditional statements:

<p>a. x is less than y and y is less than z</p> <p>b. x is true and z is equal to y</p> <p>c. y is greater than or equal to x and z is less than y</p> <p>d. z is not equal to x and y is false</p> <p>e. y is equal to either 3 or 4</p>	
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3. (10 points)

Write range-eliminating *if-else* statements that will check to see if a variable, called **number**, is divisible by 3 and 5, but not divisible by 30. *HINT: You will need to use the % operator*