

# Expressions

*9 Sep 2019*

Log in to the department server (PuTTY or ssh). Type the boilerplate stuff into a `.cpp` file. Then, for each of the statements on the left below: write down your guess for what it would do (before typing it in!), then type it in, check the answer, and write down a brief explanation of why it gives the error it does or why it prints the output it does.

Statement(s)	Output?	Why?
<code>cout &lt;&lt; 2 - 5+7 &lt;&lt; endl;</code>		
<code>cout &lt;&lt; 3 + 4 * 5 &lt;&lt; endl;</code>		
<code>cout &lt;&lt; 3 4 5 &lt;&lt; endl;</code>		
<code>cout &lt;&lt; 3 + - 4 &lt;&lt; endl;</code>		
<code>string hi = "Hello"; cout &lt;&lt; hi + "there" &lt;&lt; endl;</code>		
<code>#include &lt;cmath&gt; (goes at top of file) cout &lt;&lt; sin(90) &lt;&lt; endl;</code>		
<code>int n = 3.7; cout &lt;&lt; n + 2 &lt;&lt; endl;</code>		
<code>int a = 20; cout &lt;&lt; a / 3 &lt;&lt; endl;</code>		
<code>string five = "5"; cout &lt;&lt; five + 4 &lt;&lt; endl;</code>		
<code>string five = "5"; cout &lt;&lt; five + "4" &lt;&lt; endl;</code>		
<code>string five = "5"; cout &lt;&lt; five &lt;&lt; 4 &lt;&lt; endl;</code>		
<code>string five = "5"; string four = "4"; cout &lt;&lt; five + four &lt;&lt; endl;</code>		
<code>int num = 57; cout &lt;&lt; num / 10 + num % 10 &lt;&lt; endl;</code>		
<code>cout &lt;&lt; 4 / 0 &lt;&lt; endl;</code>		
<code>cout &lt;&lt; 4.0 / 0 &lt;&lt; endl;</code>		