

Name : \_\_\_\_\_ Date : \_\_\_\_\_

## All Ifs Worksheet

**Write NO OUTPUT if the code does not print anything on the screen.**

CODE	OUTPUT
<pre>int a = 30; if(a &lt; 10)     out.println("hello"); out.println("always happens");</pre>	
<pre>int a = 8; if(a &lt; 10)     out.println("hello"); else if(a &gt; 10)     out.println("goodbye");</pre>	
<pre>int b = 10; if(b &lt; 2)     out.println("one"); else if(b &lt; 4)     out.println("two"); else if(b &lt; 8)     out.println("three");</pre>	
<pre>int c = 5, d = 8; if(c &lt; 10 &amp;&amp; d &gt; 10)     out.println("hello"); out.println("goodbye");</pre>	
<pre>int c = 5, d = 12; if(c &lt; 10 &amp;&amp; d &gt; 10)     out.println("hello"); out.println("goodbye");</pre>	
<pre>int e = 7, f = 3; if(e &gt; 5    f &gt; 10)     out.println("hello"); else if(e &gt; 2)     out.println("goodbye");</pre>	
<pre>int g = -6; if(g &lt; 10){     if(g &gt; 0){         out.println("one");     }     else{         out.println("two");     } }</pre>	
<pre>int g = &lt;*1&gt; ; if(g &lt; 10){     if(g &gt; 0){         out.println("one");     }     else if(g &gt; 5){         out.println("two");     } } else if(g &gt;= 10){     if(g &gt; 15){         out.println("three");     }     else if(g &lt; 15){         out.println("four");     } }</pre>	<p>Consider the code to the left:</p> <p>What number could replace &lt;*1&gt; so that the word “one” would be printed on the screen?</p> <p>What number could replace &lt;*1&gt; so that the word “two” would be printed on the screen?</p> <p>What number could replace &lt;*1&gt; so that the word “three” would be printed on the screen?</p> <p>What number could replace &lt;*1&gt; so that the word “four” would be printed on the screen?</p>

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## If Else If Worksheet

Show the output of each block of code below.

1.  
`int a=30;  
if(a<10)  
 out.println("hello");  
else if(a>10)  
 out.println("goodbye");`

OUTPUT

2.  
`int b=4;  
if(b<2)  
 out.println("one");  
else if(b<4)  
 out.println("two");  
else if(b<8)  
 out.println("three");`

OUTPUT

3.  
`int c=5, d=8;  
if(c<10 && d>10)  
 out.println("hello");  
out.println("goodbye");`

OUTPUT

4.  
`int e=7, f=3;  
if(e>5 || f>10)  
 out.println("hello");  
else if(e>2)  
 out.println("goodbye");`

OUTPUT

5.  
`int g=10;  
if(g<10){  
 if(g>0){  
 out.println("one");  
 }  
 else if(g>5){  
 out.println("two");  
 }  
}  
else if(g>=10){  
 if(g>15){  
 out.println("three");  
 }  
 else if(g<15){  
 out.println("four");  
 }  
}`

OUTPUT