

Homework – More on while, do... while loop

Trace the following program:

Program	Memory	Output
<pre>int d = 10; while (d > 5) { d = d - 2; System.out.println (d); }</pre>	<pre>d = 10 8 6 4</pre>	<pre>8 6 4 ></pre>
<pre>int x = 15; int y = 4; do { System.out.println(x); x = x - 4; } while (x > y);</pre>	<pre>x = 15 11 7 3 y = 4</pre>	<pre>15 11 7 ></pre>
<pre>int input, min; System.out.print ("Enter a number: "); input = sc.nextInt (); min = input; while (input != -1) { if (input < min) { min = input; } System.out.print ("Enter a number: "); input = sc.nextInt (); } System.out.println (min); Assume the user enters the following in order: 23 45 67 95 86 6 93 6 -1</pre>	<pre>input = 23 45 67 95 86 6 93 6 -1 min = 23 6</pre>	<pre>Enter a number: <u>23</u> Enter a number: <u>45</u> Enter a number: <u>67</u> Enter a number: <u>95</u> Enter a number: <u>86</u> Enter a number: <u>6</u> Enter a number: <u>93</u> Enter a number: <u>6</u> Enter a number: <u>-1</u> 6 ></pre>

<pre> int x = 3; int y = 15; do { x = x + 3; y = y - 1; System.out.println (x); } while (x != y); </pre>	<pre> x = 3 6 9 12 y = 15 14 13 12 </pre>	<pre> 6 9 12 > </pre>
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