

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>	d (int): 10 8 6 4	8 6 4
<pre>int x = 15; int y = 4; do { System.out.println(x); x = x - 4; } while (x > y);</pre>	x (int): 15 11 7 3 y (int): 4	15 11 7
<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>	input (int): 23 45 67 95 86 6 93 6 -1 min (int): 23 6	Enter a number: 23 Enter a number: 45 Enter a number: 67 Enter a number: 95 Enter a number: 86 Enter a number: 6 Enter a number: 93 Enter a number: 6 Enter a number: -1 6

<pre> int x = 3; int y = 15; do { x = x + 3; y = y - 1; System.out.println (x); } while (x != y); </pre>	<pre> x (int): 369 12 y (int): 151413 12 </pre>	<pre> 6 9 12 </pre>
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