

	UNIVERSIDADE FEDERAL DA PARAÍBA	
	CENTRO DE INFORMÁTICA	
	Disciplina	Introdução à Programação
	Semestre	2019.1
	Professor	Bruno Jefferson de Sousa Pessoa

Lista de Exercícios 01

Para cada programa a seguir, monte a tabela de acompanhamento, exibindo o valor das variáveis após a execução de cada instrução.

<p><u>Programa 01</u></p> <pre>a = 5 b = 2 if (a + b < 10): c = a - b else: c = a + b a = c * b print (b - 3)</pre>	<p><u>Programa 02</u></p> <pre>a = 1 b = 0 if (a > 0): b = a + b c = b + b a = a + b + c else: b = 2 * a print (a + 3)</pre>	<p><u>Programa 03</u></p> <pre>a = 2 b = 7 if (a + b > 10): c = a + 1 b = c + 1 else: c = a - 1 b = c - 1 a = b - 1</pre>	<p><u>Programa 04</u></p> <pre>a = 8 b = a + 3 c = b - 1 if (c > 4): a = a + c else: a = a + b b = (2 * c) - a c = a - c a = c / b</pre>	<p><u>Programa 05</u></p> <pre>b = 5/2 + 6/4 a = 3 + b if (a > 7): c = a + c print(b - a) elif (a == 7): c = a - b print(2*c + 1) else: a = a + b</pre>																																																																																							
<p><u>Programa 06</u></p> <pre>a = - 5 b = 9 if (a + b == 3): c = a + 7 d = b - 4 else: c = a + 2 d = b - 10 a = -2 * a b = - b / c c = c + 4 d = d + c</pre>	<p><u>Programa 07</u></p> <pre>a = 3 b = 2 c = 4 if (a+b+c < 7): b = c + 5 c = a + 8 a = (a*c) + b else: b = 5 * c c = a + b - 8 a = (2*a) - 1 b = b - (a + c) c = c - (a + b)</pre>	<p><u>Programa 08</u></p> <pre>a = 6 b = 1 if (a > 0): if (b > 0): c = a + b else: c = a - b elif (b < 5): c = a * b else: c = a / b</pre>	<p><u>Programa 09</u></p> <pre>a = 1 b = 3 if (a > 0): if (b > 0): c = (a+b)*2 else: c = 0 else: b = 2 if (c > 0): a = 2 else: b = 4</pre>	<p><u>Programa 10</u></p> <pre>c = 4 b = c * 5/2 a = c * b - b if (b > a) : if (c > b) : d = a * 2 elif (a > c): d = 29-a+b elif (a > b+c): d = (b - c)/3 print(a + d) else: d = c - 9 + a a = a - (b+c+d)</pre>																																																																																							
<p><u>Programa 11</u></p> <pre>d = 6**2 - 8 if (d > 20): if (d < 25): a = d / 3 print(a + d) elif (d > 28): a = d*5 + 1 print(a - d) elif (d < 22): b = d + 1 print(b - 3) else: b = d / 7 print(b**2) a = d - b</pre>	<p><u>Programa 12</u></p> <pre>c = 7 + 5*1.2 b = c - 4 if (b > 9): if (c == 10): a = b + 3 elif (b == 6): a = c*3 print(a - c) elif (c >=13): a = b + 1 else: a = c / 7 print(a**b) if (a < b): a = c - b c = c - a</pre>	<p><u>Programa 13</u></p> <pre>b = 5 if (b > 7): a = b + 4 c = a * 2 a = (b - 2) ** 3 if (a < 15): d = c - a print (a) elif (a > 29): if (b > 8): d = b+c-1 elif (b < 6): d = a * c else: a = a + 2 * b</pre>	<p><u>Respostas</u></p> <table><tr><td></td><td>a</td><td>b</td><td>c</td><td>d</td><td>tela</td></tr><tr><td>Programa 01</td><td>6</td><td>2</td><td>3</td><td></td><td>-1</td></tr><tr><td>Programa 02</td><td>4</td><td>1</td><td>2</td><td></td><td>7</td></tr><tr><td>Programa 03</td><td>-1</td><td>0</td><td>1</td><td></td><td></td></tr><tr><td>Programa 04</td><td>4</td><td>2</td><td>8</td><td></td><td></td></tr><tr><td>Programa 05</td><td>7</td><td>4</td><td>3</td><td></td><td>7</td></tr><tr><td>Programa 06</td><td>10</td><td>3</td><td>1</td><td>0</td><td></td></tr><tr><td>Programa 07</td><td>5</td><td>0</td><td>10</td><td></td><td></td></tr><tr><td>Programa 08</td><td>6</td><td>1</td><td>7</td><td></td><td></td></tr><tr><td>Programa 09</td><td>2</td><td>3</td><td>8</td><td></td><td></td></tr><tr><td>Programa 10</td><td>14</td><td>10</td><td>4</td><td>2</td><td></td></tr><tr><td>Programa 11</td><td>24</td><td>4</td><td></td><td>28</td><td></td></tr><tr><td>Programa 12</td><td>10</td><td>9</td><td>3</td><td></td><td></td></tr><tr><td>Programa 13</td><td>37</td><td>5</td><td></td><td></td><td></td></tr></table>						a	b	c	d	tela	Programa 01	6	2	3		-1	Programa 02	4	1	2		7	Programa 03	-1	0	1			Programa 04	4	2	8			Programa 05	7	4	3		7	Programa 06	10	3	1	0		Programa 07	5	0	10			Programa 08	6	1	7			Programa 09	2	3	8			Programa 10	14	10	4	2		Programa 11	24	4		28		Programa 12	10	9	3			Programa 13	37	5			
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