CSE111 Fall 2024

Quiz - 03, Duration: 25 Minutes

Name:	TD:	Section:
ivaiiic •	10.	Jeceton.

Question 1 [9+1 Points]

<pre>public int x = 3, y = 5, temp = -5, sum = 2; public One(){ y = temp + 3; sum = 3 + temp + 2; } public One(Two b){ sum = b.sum - 1; x = b.x + 2; b.methodA(x, 3); System.out.println(x + " " + y + " " + sum); } yublic class Two{ public int x = 1, y = 1, temp = 2, sum = 0; public Two(){ y = temp + 3; sum = 3 + temp + 2; temp -= 2; public void methodA(int m, int n){ int x = 2; </pre>	1	public class One{		
<pre>4 y = temp + 3 ; 5 sum = 3 + temp + 2; 6 } 7 public One(Two b){ 8 sum = b.sum - 1; 9 x = b.x + 2; 10 b.methodA(x, 3); 11 System.out.println(x + " " + y + " " + sum); 12 } 13 } 14 public class Two{ 15 public int x = 1, y = 1, temp = 2, sum = 0; 16 public Two(){ 17 y = temp + 3; 18 sum = 3 + temp + 2; 19 temp -= 2; 20 } 21 public void methodA(int m, int n){</pre>	2	public int $x = 3$, $y = 5$, temp = -5, sum = 2;		
<pre>5 sum = 3 + temp + 2; 6 } 7 public One(Two b){ 8 sum = b.sum - 1; 9 x = b.x + 2; 10 b.methodA(x, 3); 11 System.out.println(x + " " + y + " " + sum); 12 } 13 } 14 public class Two{ 15 public int x = 1, y = 1, temp = 2, sum = 0; 16 public Two(){ 17 y = temp + 3; 18 sum = 3 + temp + 2; 19 temp -= 2; 20 } 21 public void methodA(int m, int n){</pre>	3	<pre>public One(){</pre>		
<pre>6 } 7 public One(Two b){ 8 sum = b.sum - 1; 9 x = b.x + 2; 10 b.methodA(x, 3); 11 System.out.println(x + " " + y + " " + sum); 12 } 13 } 14 public class Two{ 15 public int x = 1, y = 1, temp = 2, sum = 0; 16 public Two(){ 17 y = temp + 3; 18 sum = 3 + temp + 2; 19 temp -= 2; 20 } 21 public void methodA(int m, int n){</pre>	4	y = temp + 3 ;		
<pre>7 public One(Two b){ 8 sum = b.sum - 1; 9 x = b.x + 2; 10 b.methodA(x, 3); 11 System.out.println(x + " " + y + " " + sum); 12 } 13 } 14 public class Two{ 15 public int x = 1, y = 1, temp = 2, sum = 0; 16 public Two(){ 17 y = temp + 3; 18 sum = 3 + temp + 2; 19 temp -= 2; 20 } 21 public void methodA(int m, int n){</pre>	5	sum = 3 + temp + 2;		
<pre>8</pre>	6	}		
<pre>9</pre>	7	<pre>public One(Two b){</pre>		
<pre>b.methodA(x, 3); System.out.println(x + " " + y + " " + sum); public class Two{ public int x = 1, y = 1, temp = 2, sum = 0; public Two(){ y = temp + 3; sum = 3 + temp + 2; temp -= 2; } public void methodA(int m, int n){</pre>	8	sum = b.sum - 1;		
<pre>11</pre>	9	x = b.x + 2;		
12 } 13 } 14 public class Two{ 15 public int x = 1, y = 1, temp = 2, sum = 0; 16 public Two(){ 17 y = temp + 3; 18 sum = 3 + temp + 2; 19 temp -= 2; 20 } 21 public void methodA(int m, int n){	10			
<pre>13 } 14 public class Two{ 15 public int x = 1, y = 1, temp = 2, sum = 0; 16 public Two(){ 17 y = temp + 3; 18 sum = 3 + temp + 2; 19 temp -= 2; 20 } 21 public void methodA(int m, int n){</pre>	11	System.out.println(x + " " + y + " " + sum);		
<pre>14 public class Two{ 15 public int x = 1, y = 1, temp = 2, sum = 0; 16 public Two(){ 17 y = temp + 3; 18 sum = 3 + temp + 2; 19 temp -= 2; 20 } 21 public void methodA(int m, int n){</pre>	12	}		
15 public int x = 1, y = 1, temp = 2, sum = 0; 16 public Two(){ 17 y = temp + 3; 18 sum = 3 + temp + 2; 19 temp -= 2; 20 } 21 public void methodA(int m, int n){	13	}		
<pre>16 public Two(){ 17 y = temp + 3; 18 sum = 3 + temp + 2; 19 temp -= 2; 20 } 21 public void methodA(int m, int n){</pre>	14	public class Two{		
17 y = temp + 3; 18 sum = 3 + temp + 2; 19 temp -= 2; 20 } 21 public void methodA(int m, int n){	15	public int $x = 1$, $y = 1$, temp = 2, sum = 0;		
18	16	<pre>public Two(){</pre>		
<pre>19 temp -= 2; 20 } 21 public void methodA(int m, int n){</pre>	17	y = temp + 3;		
20 } 21 public void methodA(int m, int n){	18	sum = 3 + temp + 2;		
21 public void methodA(int m, int n){	19	temp -= 2;		
	20	}		
22 int x = 2:	21	<pre>public void methodA(int m, int n){</pre>		
	22	int $x = 2$;		
23 $y = y + m + (++temp);$	23	y = y + m + (++temp);		
24 $x = x + 5 + n;$	24			
$25 \qquad \text{sum} = \text{sum} + x + y;$	25	sum = sum + x + y;		
26 System.out.println(x + " " + y + " " + sum);	26	System.out.println($x + " " + y + " " + sum$);		
27 }	27	}		
28 public void methodB(int m, int n){	28	<pre>public void methodB(int m, int n){</pre>		
29 int y = 0;	29	int y = 0;		
30 $y = y + this.y;$	30	y = y + this.y;		
31 $x = this.y + m + temp;$	31	x = this.y + m + temp;		
32 methodA(x, y);	32	methodA(x, y);		
33 $sum = n + y + sum;$	33	· · · · · · · · · · · · · · · · · · ·		
34 System.out.println(x + " " + y + " " + sum);	34	System.out.println($x + " " + y + " " + sum$);		
35 }	35	}		
36 }	36	}		

Illustrate the output of the following statements written in the main method of a tester class. [Answers without workings on the script will be rejected]:

Driver code:

Two obj1 = new Two();
obj1.methodB(1, 2);
One obj2 = new One(obj1);

output:

12		
	5	
	5	