8. Read the method definition below:  
  
public static void a(int x, int y) {  
 System.out.print("a" + x + "-" + y);  
 b(x \* 2, y \* 2);  
 System.out.print("a" + x + "-" + y);  
}  
  
public static void b(int x, int y) {  
 System.out.print("b" + x + "-" + y);  
 x = x \* y;  
 System.out.print("b" + x + "-" + y);  
}  
  
Given the code above, what is printed by the following code segment?  
  
a(3, 2);  
  
Note that if there is no output, please choose "nothing"  
a3-2b6-4b24-4a3-2: 100%
a3-2b3-2b6-2a3-2: 50%
a3-2a6-4b6-4b24-4: 25%
a3-2b6-4b24-4a24-2: 37.5%
a3-2b6-4b24-4a24-4: 37.5%
a3-2b6-4b24-4: 37.5%
a3-2a4-3a10-4a24: 5%
a3-2b3-2: 5%
a3-2: 5%
a6-2: 0%
a6-4: 0%
b24-12: 15%
b3-2: 0%
b6-b4: 0%
a+3-2: 0%
nothing: 0%
  
  
5. Specify the output of the following code segment.  
  
int[] numbers = {3, 4, 5, 6, 7};  
for (int i = 0; i < numbers.length; i++) {  
 if (i == 2) {  
 System.out.print(numbers[i]);  
 } else if (i == 3) {  
 System.out.print(numbers[i - 3]);  
 System.out.print(numbers[i - 1]);  
 System.out.print(numbers[i]);  
 } else if (i == 4) {  
 System.out.print(numbers[i - 4]);  
 System.out.print(numbers[i - 2]);  
 System.out.print(numbers[i]);  
 }  
}  
  
Note that if there is no output, please choose "nothing"  
5356357: 100%
53567: 50%
33537: 0%
356: 25%
34567245357: 50%
2023024: 15%
566567767: 0%
023: 0%
024: 5%
354: 0%
2: 0%
3: 0%
5: 0%
nothing: 0%
  
  
1. Read the method definition below:  
  
public class Container  
{  
 int type;  
 int beans;  
  
 public Container()  
 {  
 System.out.print("a");  
 this.type = 0;  
 this.beans = 0;  
 }  
  
 public Container(int type, int beans)  
 {  
 System.out.print("b");  
 this.type = type;  
 this.beans = beans;  
 }  
  
 public String toString()  
 {  
 return this.type + "-" + this.beans;  
 }  
}  
  
What is the output of the following code segment?  
  
 Container red = new Container();  
 Container green = new Container(8, 3);  
 System.out.print(red + "$");  
 System.out.print(green);  
  
  
Note that if there is no output, please choose "nothing"  
ab0-0$8-3: 100%
0-0$8-3: 80%
b0-0$8-3: 90%
a0-0$b8-3: 50%
a$0-0b8-3: 50%
ab8-34: 50%
a$8-3: 25%
ab0$green: 20%
8-3: 25%
aba$b: 20%
a$b: 0%
8$3: 0%
red$green: 0%
red$2green: 0%
green-: 0%
green: 0%
Container()$ Container(8, 3): 0%
nothing: 0%
  
  
1. Read the following class definition,  
  
public class Pantry  
{  
  
 private int stages;  
 private int height;  
  
 public Pantry(int stages, int height) {  
 this.stages = stages;  
 this.height = height;  
 }  
  
 public int get() {  
 return this.stages + this.height;  
 }  
  
 public static int calc(int stages)  
 {  
 return stages \* 2;  
 }  
  
}  
  
What is the output of the following code segment?  
  
Pantry food = new Pantry(5, 6);  
int x = food.get();  
System.out.print(x + "-");  
int y = Pantry.calc(12);  
System.out.print(y);  
  
Note that if there is no output, please choose "nothing"  
11-24: 100%
11-10: 50%
11-60: 50%
11 5-72: 0%
11-12: 50%
13-24: 80%
56-24: 80%
1-24: 50%
60-72: 50%
22: 0%
10: 0%
5: 0%
5-6: 0%
6-4: 0%
nothing: 0%