# Lab Assignment 06



## Inspiring Excellence

Course Code:	CSE111
Course Title:	Programming Language II
Topic:	Encapsulation, Static variable and Static Method
Number of Tasks:	11

[Submit all the Coding Tasks (Task 1 to 8) in the Google Form shared on buX before the next lab. Submit the Tracing Tasks (Task 9 to 11) handwritten to your Lab Instructors at the beginning of the lab]

Write the "Product" class to show the following output
Note: Make sure to use proper *Encapsulation concepts* for the setter & getter methods.
All the attributes should have Private access.

Driver Code	Output
<pre>public class ProductTester{   public static void main(String[] args) {     System.out.println("&lt;</pre>	<pre>&lt;&gt; Product Name: Unknown Price: \$0.0 &lt;&gt; Product Name: Laptop Price: \$1200.0 Quantity: 10 &lt;&gt; Retrieved Price: \$1200.0 Retrieved Quantity: 10</pre>

## Task 2

Design the **Passenger** class in such a way that the following code provides the expected output.

- Passenger class has two static variables *no\_of\_passenger* and *total\_fare*.
- Each passenger has to pay 20 TK/Distance and extra 10 TK/BaggageWeight.

Given Code	Expected Output
<pre>public class PassengerTester{   public static void main(String args[]){     System.out.println("Total Passenger: "+ Passenger.no_of_passenger);     System.out.println("Total Fare: "+ Passenger.total_fare + " TK");     System.out.println("====================================</pre>	Total Passenger: 0 Total Fare: 0.0 TK ====================================

Design a Book class in such a way that the following code provides the expected output.

- The Book class has two static variables: total\_books\_sold and total\_revenue.
- Each book has a base price of 150 TK. If the discountPercentage is applied, the book's price is reduced by that percentage.
- The Book class should have a method to calculate the price after the discount

Given Code	Expected Output
<pre>public class BookTester {   public static void main(String[] args) {     System.out.println("Total Books Sold: " + Book.total_books_sold);     System.out.println("Total Revenue: "+Book.total_revenue + " TK");     System.out.println("===========");      Book b1 = new Book("Java Programming", 10); // 10% discount     b1.bookDetails();      System.out.println("====================================</pre>	Total Books Sold: 0 Total Revenue: 0.0 TK ====================================

Write a class called Circle with the required constructor and methods to get the following output.

#### Subtasks:

- 1. Create a class called Circle.
- 2. Create the required constructor. Use Encapsulation to protect the variables. [Hint: Assign the radius variable in private]
- 3. Create getRadius() and setRadius() method to access variables.
- 4. Create a method called area to calculate the area of circles.

Given Code	Expected Output
<pre>public class CircleTester {   public static void main(String[] args) {     System.out.println("Total Circle: "+ Circle.count);     Circle c1 = new Circle(4);     System.out.println("1");     System.out.println("Total Circle: "+ Circle.count);     System.out.println("First circle radius: " + c1.getRadius());     System.out.println("First circle area: " + c1.area());     System.out.println("2");     Circle c2 = new Circle(5);     System.out.println("Total Circle: "+ Circle.count);     System.out.println("Second circle radius: " + c2.getRadius());     System.out.println("Second circle area: " + c2.area());     System.out.println("3"); } </pre>	Total Circle: 0 1 Total Circle: 1 First circle radius: 4.0 First circle area: 50.26548245743669 2 Total Circle: 2 Second circle radius: 5.0 Second circle area: 78.53981633974483 3

Suppose you have opened a new library, from where your friends can borrow books. Initially you have bought 3 books (Pather Panchali, Durgesh Nandini & Anandmath) each of 3 copies only. Design the **Borrower** class in such a way that the following code provides the expected output.

- You are given the arrays **book\_count** and **book\_name** to keep track of the number of books available. For simplicity, assume that there will be no other books in the library.
- You must reuse the *remainingBooks()* method when needed.

Given Code	Expected Output
<pre>public class Tester{   public static void main(String args[]){     Borrower.bookStatus();     System.out.println("************************);     Borrower b1 = new Borrower("Nabila");     b1.borrowBook("Pather Panchali");     b1.borrowBook("Anandmath");     b1.borrowerDetails();     System.out.println("*********2***************************</pre>	Available Books: Pather Panchali: 3 Durgesh Nandini: 3 Anandmath: 3 ****************** Name: Nabila Books Borrowed: Pather Panchali Anandmath ********2******** Name: Sadia Books Borrowed: Anandmath Durgesh Nandini Pather Panchali *******3******** 1 copies of Anandmath is remaining. ********4****** Available Books: Pather Panchali: 1 Durgesh Nandini: 2 Anandmath: 0 *******5******** This book is not available. Name: Oishi Books Borrowed: Durgesh Nandini
<pre>public class Borrower{   public static int book_count[] = {3, 3, 3};   public static String book_name[] = {"Pather Panchali",   "Durgesh Nandini", "Anandmath"};    // Your Code here }</pre>	

For this task, you need to design the **Cargo** class with appropriate static and non-static variables and methods to produce this given output for the given tester code.

Note: .load() method marks an object as selected for transport, and .unload() method unmarked it. At a time, the transport capacity is 10.0 Tonnes. Each Cargo object is initialized with 2 attributes from the constructor - the contents and the weight. Carefully observe the outputs to identify the other attributes and design the class.

Given Code	Expected Output
<pre>public class CargoTester {    public static void main(String[] args) {         System.out.println("Cargo Capacity: "+ Cargo.capacity());         System.out.println("1==========");         Cargo a = new Cargo("Industrial Machinery", 4.5);         a.details();         System.out.println("2===========");         a.load();         System.out.println("3============");         Cargo b = new Cargo("Steel Ingot", 2.7);         b.details();         System.out.println("4=============");         System.out.println("Cargo Capacity: "+ Cargo.capacity());         System.out.println("Cargo Capacity: "+ Cargo.capacity());         System.out.println("Ge================");         Cargo c = new Cargo("Tree Trunks", 3.6);         c.load();         System.out.println("7==============");         c.details();         b.details();         b.details();         System.out.println("8==============");         Cargo d = new Cargo("Processed Goods", 1.8);         d.load();         System.out.println("Cargo Capacity: "+ Cargo.capacity());         System.out.println("Cargo Capacity: "+ Cargo.capacity());         System.out.println("Cargo Capacity: "+ Cargo.capacity());         System.out.println("10====================");         c.load();         System.out.println("Cargo Capacity: "+ Cargo.capacity());         System.out.println("Cargo Capacity: "+ Cargo.capacity());         System.out.println("10====================================</pre>	Cargo Capacity: 10.0  1=================================

Design a Student class in such a way that the following code provides the expected output.

Driver Code	Output
<pre>public class StudentTester {   public static void main(String[] args) {     Student.printDetails();     System out println("     System out p</pre>	Total Student(s): 0 CSE Student(s): 0 Other Department Student(s): 0
<pre>mikasa.individualDetail(); System.out.println("");</pre>	ID: 1 Name: Mikasa CGPA: 3.75 Department: CSE
Student harry = new Student("Harry", 2.5, "Charms"); harry.individualDetail(); System.out.println(""); Student.printDetails();	Total Student(s): 1 CSE Student(s): 1 Other Department Student(s): 0
<pre>System.out.println(""); Student levi = new Student("Levi", 3.33); levi.individualDetail(); System.out.println("");</pre>	ID: 2 Name: Harry CGPA: 2.5 Department: Charms
<pre>Student.printDetails(); } </pre>	Total Student(s): 2 CSE Student(s): 1 Other Department Student(s): 1
	ID: 3 Name: Levi CGPA: 3.33 Department: CSE
	Total Student(s): 3 CSE Student(s): 2 Other Department Student(s): 1

Design the Player class with the necessary property to produce the output from the given driver code. Hint: The total number of players is maximum 11

Driver Code	Output
<pre>public class PlayerTester{   public static void main(String[] args) {</pre>	Total number of players: 0
System.out.println("Total number of players: " + Player.total); System.out.println("1"); Player p1 = new Player("Neymar", "Brazil",5);	Player Name: Neymar Jersey Number: 5 Country: Brazil
System.out.println(p1.player_detail()); System.out.println("========="); Player.info();	Total number of players: 1 Players enlisted so far: Neymar
<pre>System.out.println("2"); Player p2 = new Player("Ronaldo", "Portugal", 7); System.out.println(p2.player_detail()); System.out.println("==========");</pre>	Player Name: Ronaldo Jersey Number: 7 Country: Portugal
Player.info(); System.out.println("3"); Player p3 = new Player("Messi", "Argentina", 6);	Total number of players: 2 Players enlisted so far: Neymar, Ronaldo
System.out.println(p3.player_detail()); System.out.println("========="); Player.info(); System.out.println("4");	Player Name: Messi Jersey Number: 6 Country: Argentina
Player p4 = new Player("Mbappe", "France", 10); System.out.println(p4.player_detail()); System.out.println("========="); Player.info();	Total number of players: 3 Players enlisted so far: Neymar, Ronaldo, Messi 4
} }	Player Name: Mbappe Jersey Number: 10 Country: France
	Total number of players: 4 Players enlisted so far: Neymar, Ronaldo, Messi, Mbappe

1.	public class Tracing {	Outpu	t
2.	public static int $x=0$ , $y=0$ ;		
3.	public int a, b;		
4.	<pre>public Tracing(int a, int b){</pre>		
5.	this.a = a;		
6.	this.b = b;		
7.	x+=1;		
8.	y+=2;		
9.	}		
10.	<pre>public void methodA(int a){</pre>		
11.	this.a = x+a;		
12.	<pre>this.b = this.b+ this.a +this.methodB();</pre>		
13.	<pre>System.out.println(this.a+" "+this.b+" "+x);</pre>		
14.	}		
15.	<pre>public int methodB(){</pre>		
16.	this.b = y - this.b + this.a;		
17.	<pre>System.out.println(this.a+" "+this.b+" "+x);</pre>		
18.	x += this.b;		
19.	return this.b;		
20.	}		
21.	<pre>public void methodB(Tracing t1){</pre>		
22.	t1.b = this.y - t1.b + this.b;		
23.	<pre>System.out.println(t1.a+" "+t1.b+" "+x);</pre>		
24.	}		
25.	}		
26.	public class Test9{		
27.	<pre>public static void main(String [] args){</pre>		
28.	Tracing t1= new Tracing(2, 3);		
29.	t1.methodA(1);		
30.	Tracing t2= new Tracing(3, 4);		
31.	t2.methodA(2);		
32.	t1.methodB(t2);		
33.	t2.methodB(t2);		
34.	}		
35.	}		

## <u>Task 10</u>

1	public class FinalT6A{	C	utputs	;
2	<pre>public static int temp = 3;</pre>			
3	public int sum;			
4	<pre>public int y = 2;</pre>			
5	<pre>public FinalT6A(int x, int p){</pre>			
6	temp+=3;			
7	y = temp - p;			
8	<pre>sum = FinalT6A.temp + x;</pre>			
9	<pre>System.out.println(x + " " + y+ " " + sum);</pre>			
10	}			
11	<pre>public void methodA(){</pre>	]		
12	int x=0, y =0;	]		
13	y = y + this.y;			
14	x = this.y + 2 + temp;	]		
15	sum = x + y + methodB(temp, y);	]		
16	<pre>System.out.println(x + " " + y+ " " + sum);</pre>	]		
17	}	]		
18	<pre>public int methodB(int temp, int n){</pre>	]		
19	int $x = 0$ ;	]		
20	y = y + (++temp);			
21	x = x + 2 + n;	]		
22	sum = sum + x + y;	]		
23	<pre>System.out.println(x + " " + y+ " " + sum);</pre>	]		
24	return sum;	_		
25	}	]		
26	}	_		
27	public class Test10{	]		
28	<pre>public static void main(String [] args){</pre>	]		
29	<pre>FinalT6A q1 = new FinalT6A(2,1);</pre>	]		
30	q1.methodA();	]		
31	q1.methodA();	]		
32	}	]		
33	}			

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1	public class B{
2	public static int x;
3	<pre>public int y = 4;</pre>
4	<pre>public int temp = -5;</pre>
5	<pre>public int sum = 2;</pre>
6	<pre>public B(){</pre>
7	y = temp + 3;
8	sum = 3 + temp + 3;
9	temp-=2;
10	}
11	<pre>public B(B b){</pre>
12	sum = b.sum;
13	x = b.x;
14	<pre>b.methodB(1,3);</pre>
15	}
16	<pre>public void methodA(int m, int n){</pre>
17	int x = 2;
18	y = y + m + (temp++);
19	x = x + 7 + n;
20	sum = sum + x + y;
21	System.out.println(x + " " + y+ " " + sum);
22	}
23	<pre>public void methodB(int m, int n){</pre>
24	int y = 0;
25	y = y + this.y;
26	x = this.y + 3 + temp;
27	<pre>methodA(x, y);</pre>
28	sum = x + y + sum;
29	System.out.println(x + " " + y+ " " + sum);
30	}
31	}
	Consider the following code:

## **Consider the following code:**

B b1 = new B();	X	y	sum
B b2 = new B(b1);		-	
b1.methodA(3, 2);			
b2.methodB(1, 2);			

## **Ungraded Tasks (Optional)**

(You don't have to submit the ungraded tasks)

#### Task 1

Design the **SultansDine** class with the necessary property to produce the output from the given driver code.

```
Subtaks:

1. Create SultansDine class
2. Create 2 static variable and 1 static array
3. Create 1 static method
4. Calculation of branch sell is given below
a. If sellQuantity < 10:
i. Branch_sell = quantity * 300
b. Else if sellQuantity < 20:
i. Branch_sell = quantity * 350
c. Else
i. Branch_sell = quantity * 400
5. Calculation of branch's sell percentage = (branch's sell / total sell) * 100
```

Driver Code	Output
<pre>public class SultansDineTester {   public static void main(String[] args) {</pre>	Total Number of branch(s): 0 Total Sell: 0 Taka
<pre>SultansDine.details(); System.out.println("1=========="); SultansDine dhanmondi = new SultansDine("Dhanmondi");</pre>	Branch Name: Dhanmondi Branch Sell: 10000 Taka 2===================================
<pre>dhanmondi.sellQuantity(25); dhanmondi.branchInformation();</pre>	Total Number of branch(s): 1 Total Sell: 10000 Taka
<pre>System.out.println("2========="); SultansDine.details(); System.out.println("3==========");</pre>	Branch Name: Dhanmondi, Branch Sell: 10000 Taka Branch consists of total sell's 100.00 3=================================
<pre>SultansDine baily_road = new SultansDine("Baily Road");</pre>	Branch Name: Baily Road Branch Sell: 5250 Taka 4===================================
<pre>baily_road.sellQuantity(15); baily_road.branchInformation(); System.out.println("4============");</pre>	Total Number of branch(s): 2 Total Sell: 15250 Taka Branch Name: Dhanmondi, Branch Sell: 10000 Taka
System.out.printin( 4	Branch consists of total sell's 65.57 Branch Name: Baily Road, Branch Sell: 5250 Taka Branch consists of total sell's 34.43
<pre>gulshan.sellQuantity(9); gulshan.branchInformation(); System.out.println("6===========");</pre>	5=====================================
SultansDine.details(); } }	Total Number of branch(s): 3 Total Sell: 17950 Taka Branch Name: Dhanmondi, Branch Sell: 10000 Taka Branch consists of total sell's 55.71

Branch Name: Baily Road, Branch Sell: 5250 Taka

Branch consists of total sell's 29.25

Branch Name: Gulshan, Branch Sell: 2700 Taka

Branch consists of total sell's 15.04

### Task 2

Implement the design of the **Travel** class so that the following output is produced. Use Encapsulation to protect the variables. [Hint: Assign all the variables in private]

Task 3

1.	<pre>public class Maze{</pre>	Output
2.	<pre>public static int x;</pre>	
3.	<pre>public void methodA(){</pre>	
4.	int m = 5;	
5.	x=11;	
6.	<pre>System.out.println(x+" "+m);</pre>	
7.	<pre>m=methodB(m-3)+x;</pre>	
8.	<pre>System.out.println(x+" "+(m));</pre>	
9.	<pre>methodB(x,m);</pre>	
10.	<pre>System.out.println(x+" "+m+x);</pre>	
11.	}	
12.	<pre>public int methodB(int y){</pre>	
13.	x=y*y;	
14.	<pre>System.out.println(x+" "+y);</pre>	
15.	return x+3;	
16.	}	
17.	<pre>public void methodB(int z, int x){</pre>	
18.	z=z-2;	
19.	x=x*1%z;	
20.	<pre>System.out.println(z+" "+x);</pre>	
21.	}	
22.	}	
23.	<pre>public class TestU3{</pre>	
24.	<pre>public static void main(String [] args){</pre>	
25.	<pre>Maze c = new Maze();</pre>	
26.	<pre>c.methodA();</pre>	
27.	c.methodB(-11, 45);	
28.	}	
29.	}	

 $\frac{Task\ 4}{\mbox{Find the outputs after running the main() method in $Test11$ class.}}$ 

<pre>2  public static int temp = 4; 3  public int sum; 4  public int y; 5  public Quiz1(){ 6    y = temp - 1; 7    sum = temp + 1; 8    temp+=2; 9  } 10  public Quiz1(int p){ 11    y = temp + p; 12    sum = p + temp + 1; 13    temp-=1; 14  } 15  public void methodA(){ 16    int x=0, y =0; 17    y = y + this.y; 18    x = this.y + 2 + temp; 19    sum = x + y + methodB(x, y); 20    System.out.println(x + " " + y + " " + sum); 21  } 22  public int methodB(int m, int n){ 23    int x = 0; 24    y = y + m + (++temp); 25    x = x + 2 + n; 26    sum = sum + x + y; 27    System.out.println(x + " " + y + " " + sum); 28    return sum;</pre>		public class Quiz1{	0ι	ıtputs	;
<pre>4  public int y; 5  public Quiz1(){ 6    y = temp - 1; 7    sum = temp + 1; 8    temp+=2; 9  } 10  public Quiz1(int p){ 11    y = temp + p; 12    sum = p + temp + 1; 13    temp-=1; 14  } 15  public void methodA(){ 16    int x=0, y =0; 17    y = y + this.y; 18    x = this.y + 2 + temp; 19    sum = x + y + methodB(x, y); 20    System.out.println(x + " " + y+ " " + sum); 21  } 22  public int methodB(int m, int n){ 23    int x = 0; 24    y = y + m + (++temp); 25    x = x + 2 + n; 26    sum = sum + x + y; 27    System.out.println(x + " " + y+ " " + sum);</pre>	2	<pre>public static int temp = 4;</pre>			
<pre>5  public Quiz1(){ 6     y = temp - 1; 7     sum = temp + 1; 8     temp+=2; 9  } 10  public Quiz1(int p){ 11     y = temp + p; 12     sum = p + temp + 1; 13     temp-=1; 14  } 15  public void methodA(){ 16     int x=0, y =0; 17     y = y + this.y; 18     x = this.y + 2 + temp; 19     sum = x + y + methodB(x, y); 20     System.out.println(x + " " + y+ " " + sum); 21  } 22  public int methodB(int m, int n){ 23     int x = 0; 24     y = y + m + (++temp); 25     x = x + 2 + n; 26     sum = sum + x + y; 27     System.out.println(x + " " + y+ " " + sum);</pre>	3	public int sum;			
6  y = temp - 1; 7  sum = temp + 1; 8  temp+=2; 9  } 10  public Quiz1(int p){ 11  y = temp + p; 12  sum = p + temp + 1; 13  temp-=1; 14  } 15  public void methodA(){ 16  int x=0, y=0; 17  y = y + this.y; 18  x = this.y + 2 + temp; 19  sum = x + y + methodB(x, y); 20  System.out.println(x + " " + y+ " " + sum); 21  } 22  public int methodB(int m, int n){ 23  int x = 0; 24  y = y + m + (++temp); 25  x = x + 2 + n; 26  sum = sum + x + y; 27  System.out.println(x + " " + y+ " " + sum);	4	public int y;			
7	5	<pre>public Quiz1(){</pre>			
<pre>8     temp+=2; 9  } 10  public Quiz1(int p){ 11     y = temp + p; 12     sum = p + temp + 1; 13     temp-=1; 14  } 15  public void methodA(){ 16     int x=0, y =0; 17     y = y + this.y; 18     x = this.y + 2 + temp; 19     sum = x + y + methodB(x, y); 20     System.out.println(x + " " + y+ " " + sum); 21  } 22  public int methodB(int m, int n){ 23     int x = 0; 24     y = y + m + (++temp); 25     x = x + 2 + n; 26     sum = sum + x + y; 27     System.out.println(x + " " + y+ " " + sum);</pre>	6	y = temp - 1;			
9 }  10 public Quiz1(int p){  11    y = temp + p;  12    sum = p + temp + 1;  13    temp-=1;  14 }  15 public void methodA(){  16    int x=0, y =0;  17    y = y + this.y;  18    x = this.y + 2 + temp;  19    sum = x + y + methodB(x, y);  20    System.out.println(x + " " + y+ " " + sum);  21 }  22 public int methodB(int m, int n){  23    int x = 0;  24    y = y + m + (++temp);  25    x = x + 2 + n;  26    sum = sum + x + y;  27    System.out.println(x + " " + y+ " " + sum);	7	sum = temp + 1;			
<pre>10  public Quiz1(int p){ 11     y = temp + p; 12     sum = p + temp + 1; 13     temp-=1; 14  } 15  public void methodA(){ 16     int x=0, y = 0; 17     y = y + this.y; 18     x = this.y + 2 + temp; 19     sum = x + y + methodB(x, y); 20     System.out.println(x + " " + y+ " " + sum); 21  } 22  public int methodB(int m, int n){ 23     int x = 0; 24     y = y + m + (++temp); 25     x = x + 2 + n; 26     sum = sum + x + y; 27     System.out.println(x + " " + y+ " " + sum);</pre>	8	temp+=2;			
11  y = temp + p;  12  sum = p + temp + 1;  13  temp-=1;  14 }  15  public void methodA(){  16  int x=0, y = 0;  17  y = y + this.y;  18  x = this.y + 2 + temp;  19  sum = x + y + methodB(x, y);  20  System.out.println(x + " " + y+ " " + sum);  21 }  22  public int methodB(int m, int n){  23  int x = 0;  24  y = y + m + (++temp);  25  x = x + 2 + n;  26  sum = sum + x + y;  27  System.out.println(x + " " + y+ " " + sum);	9	}			
12	10	<pre>public Quiz1(int p){</pre>			
13     temp-=1; 14 } 15     public void methodA(){ 16         int x=0, y =0; 17         y = y + this.y; 18         x = this.y + 2 + temp; 19         sum = x + y + methodB(x, y); 20         System.out.println(x + " " + y+ " " + sum); 21     } 22     public int methodB(int m, int n){ 23         int x = 0; 24         y = y + m + (++temp); 25         x = x + 2 + n; 26         sum = sum + x + y; 27         System.out.println(x + " " + y+ " " + sum);	11	y = temp + p;			
14 }  15 public void methodA(){  16    int x=0, y =0;  17    y = y + this.y;  18    x = this.y + 2 + temp;  19    sum = x + y + methodB(x, y);  20    System.out.println(x + " " + y+ " " + sum);  21 }  22 public int methodB(int m, int n){  23    int x = 0;  24    y = y + m + (++temp);  25    x = x + 2 + n;  26    sum = sum + x + y;  27    System.out.println(x + " " + y+ " " + sum);	12	sum = p + temp + 1;			
15  public void methodA(){  16   int x=0, y =0;  17   y = y + this.y;  18   x = this.y + 2 + temp;  19   sum = x + y + methodB(x, y);  20   System.out.println(x + " " + y+ " " + sum);  21  }  22  public int methodB(int m, int n){  23   int x = 0;  24   y = y + m + (++temp);  25   x = x + 2 + n;  26   sum = sum + x + y;  27   System.out.println(x + " " + y+ " " + sum);	13	temp-=1;			
<pre>16    int x=0, y =0; 17         y = y + this.y; 18         x = this.y + 2 + temp; 19         sum = x + y + methodB(x, y); 20         System.out.println(x + " " + y+ " " + sum); 21     } 22     public int methodB(int m, int n){ 23         int x = 0; 24         y = y + m + (++temp); 25         x = x + 2 + n; 26         sum = sum + x + y; 27         System.out.println(x + " " + y+ " " + sum);</pre>	14	}			
17  y = y + this.y; 18  x = this.y + 2 + temp; 19  sum = x + y + methodB(x, y); 20  System.out.println(x + " " + y+ " " + sum); 21  } 22  public int methodB(int m, int n){ 23  int x = 0; 24  y = y + m + (++temp); 25  x = x + 2 + n; 26  sum = sum + x + y; 27  System.out.println(x + " " + y+ " " + sum);	⊢—	<pre>public void methodA(){</pre>			
18		int x=0, y =0;			
19	17				
20					
21 } 22 public int methodB(int m, int n){ 23    int x = 0; 24    y = y + m + (++temp); 25    x = x + 2 + n; 26    sum = sum + x + y; 27    System.out.println(x + " " + y+ " " + sum);					
<pre>public int methodB(int m, int n){    int x = 0;    y = y + m + (++temp);    x = x + 2 + n;    sum = sum + x + y;    System.out.println(x + " " + y+ " " + sum);</pre>	-				
23  int x = 0; 24  y = y + m + (++temp); 25  x = x + 2 + n; 26  sum = sum + x + y; 27  System.out.println(x + " " + y+ " " + sum);					
24  y = y + m + (++temp); 25  x = x + 2 + n; 26  sum = sum + x + y; 27  System.out.println(x + " " + y+ " " + sum);	-				
25	<u> </u>				
26	-				
27	<b></b>				
	⊢—				
28   return sum;	<u> </u>				
29 }					
29   }   30  }	<u> </u>	\ \ 			
31 public class TestU4{		public class TestIMS			
32 public static void main(String [] args){	-				
33 Quiz1 q1 = new Quiz1();					
34 q1.methodA();		·			
35 q1.methodA();					
36 Quiz1.temp+= 2;	-				
37 Quiz1 q2 = new Quiz1(2);		·			

38	q2.methodA();	
39	q2.methodA();	
40	}	
41	}	