### **Question 1 out of 40 questions**

You are given the following array of integers a[2,5,3,7,4,9,10,1]. What will be the final array after you execute the method mystery using this array?

```
public static void mystery(int[] a){
   for(int i = 1; i < a.length; i++)
      int current = a[i];
      int j = i-1;
      while((j >= 0) \&\& (a[j] > current))\{
          a[j+1] = a[j--];
      a[j+1] = current;
   }
}
Answer a:
a[1,2,3,4,5,7,9,10]
  Answer b:
a[1,2,5,3,7,4,9,10]
Answer c:
a[2,5,3,7,4,9,10,1]
  Answer d:
a[2,1,3,4,5,7,9,10]
Answer e:
a[10,9,7,5,4,3,2,1]
```

## **Question 2 out of 40 questions**

Consider the following method.

```
/**
  * Method to do a selection sort on
  * an array of integers
  */
public static void selectionSort(int[] numberArray)
{
  int temp; // used to hold value
```

for (int i = 0; i < numberArray.length - 1; i++)</pre>

// line 1

```
int pos = i;
// line 2
       for (int j = 0; j < numberArray.length; j++)</pre>
// line 3
         if (numberArray[j] < numberArray[pos])</pre>
// line 4
           pos = j;
// line 5
       temp = numberArray[i];
      numberArray[i] = numberArray[pos];
      numberArray[pos] = temp;
    }
This method should sort the numbers in the passed array into ascending order. But, it
does not work. Which of the following changes would fix it?
Answer a:
Line 5 should be:
j = pos;
   Answer b:
Line 4 should be:
if (numberArray[j] > numberArray[pos])
   Answer c:
Line 2 should be:
int pos = 0;
   Answer d:
Line 3 should be:
for (int j = i + 1; j < numberArray.length; j++)</pre>
```

```
Answer e:
Line 1 should be:
for (int i = 0; i < numberArray.length - 2; i++)</pre>
Question 3 out of 40 questions
Question: Consider the following method and code:
public int m1(int[] a){
   a[1]--;
   return (a[1] * 2);
// assume this code is in another method
int[] b = {2, 3, 4};
b[0] += m1(b);
for(int x: b)
   System.out.print(x+" ");
What is the run output of the code?
Answer a:
634
Answer b:
624
Answer c:
runtime error
  Answer d:
X X X
Answer e:
644
```

## **Question 4 out of 40 questions**

```
Consider the following declarations:
```

```
int valueOne = 3;
int valueTwo = 3;
```

Which of the following will compile and evaluate to true?

```
Answer a:
valueOne.equals(valueTwo)
  Answer b:
valueOne == valueTwo
Answer c:
valueOne.equals((Integer) valueTwo)
  Answer d:
valueOne.compareTwo((Integer) valueTwo) == 0
   Answer e:
valueOne.compareTo(valueTwo) == 0
Question 5 out of 40 questions
consider the following code segment:
char test[] = {'t', 'e', 's', 't'};
 String str = new String(test);
which of the following would not compile
Answer a:
s = s + s;
Answer b:
```



```
What all gets printed when the following method is run?
   public static void test() {
      for(int i = 0; i < 2; i++) {
          for(int j = 2; j = 0; j - ) {
             if(i != j) {
               System.out.println("i=" + i + " j="+j);
          }
      }
   }
   Answer a:
i=0 j=1
i=0 j=2
i=1 j=0
i=1 j=2
i=2 j=0
i=2 j=1
   Answer b:
i=0 j=1
i=0 \ j=2
i=1 j=0
i=1 j=2
   Answer c:
i=0 j=2
i=0 j=1
i=0 j=0
i=1 j=2
i=1 j=1
i=1 j=0
   Answer d:
i=0 j=2
i=0 j=1
i=1 j=2
i=1 j=0
```

Answer e:

```
i=0 j=2
i=0 j=1
i=1 j=2
i=1 j=0
i=2 j=1
i=2 j=0
Question 7 out of 40 questions
Array unsortedArr contains an unsorted list of integers. Array
sortedArr contains a sorted list of integers. Which of the
following operations is more efficient for sortedArr then
unsortedArr? Assume the most efficient algorithms are used.
Ι
    Inserting a new element
    Searching for a given element
III Computing the mean of the elements
(a) I only
(b) II only
(c) III only
(d) I and II only
(e) I, II and III
Answer a:
   (d)
Answer b:
   (C)
```

```
Answer c:
   (e)
Answer d:
   (b)
Answer e:
   (a)
Question 8 out of 40 questions
What will be printed out at the end of this code snippet?
public abstract class Fruit
   public void eat()
      System.out.println("Eating fruit");
```

public class Banana extends Fruit

public void eat()

```
System.out.println("Eating banana");
public class Mango extends Fruit
   public void eat()
      super.eat();
      System.out.println("Eating mango");
}
public static void main (String[] args)
   Fruit f = new Mango();
   f.eat();
   Answer a:
Eating fruit
Eating mango
   Answer b:
Eating fruit
   Answer c:
Eating banana
   Answer d:
Eating mango
   Answer e:
Compiler error
```

## **Question 9 out of 40 questions**

Which of the following statements about abstract classes and interfaces is TRUE?

Answer a:

An abstract class cannot extend another abstract class

Answer b:

You can't declare variables with the type of an abstract class.

Answer c:

All subclasses of a class that implements an interface do not automatically implement the interface.

Answer d:

An abstract class cannot implement an interface

Answer e:

If an abstract class has no implemented constructors or methods, it is better to make it an interface.

#### Question 10 out of 40 questions

```
Consider the following method.
```

```
// precondition: numArray contains no duplicates and the
// elements in numArray are in ascending sorted order and
// 0 <= low <= numArray.length and low - 1 <= high <
numArray.length
public static int mystery(int[] numArray, int low, int high, int
value)
   if (low > high)
      return low;
   int mid = (low + high) / 2;
   if (numArray[mid] == value)
      return mid;
   else if (numArray[mid] < value)</pre>
      return mystery(numArray, mid + 1, high, value);
   else
      return mystery(numArray, low, mid - 1, value);
How many calls to mystery (including the initial call) are made as a result of the
call mystery(numArray, 0, numArray.length - 1, 32); if numArray is
declared as follows?
int[] numArray = {2, 10, 23, 31, 35, 48, 69, 98};
```

4	Answer a:	
3	Answer b:	
8	Answer c:	
<b>2</b>	Answer d:	
1	Answer e:	
Question 11 out of 40 questions		
valu I. II.	en an array, which of the following condition must be true in order to search for a se using binary search?  The values in the array must be integers.  The values in the array must be in sorted order.  The array must not contain duplicate values.	
<b>□</b> I, II :	Answer a: and III	
<b>□</b> I an	Answer b:	
	u II	
<b>□</b> Il or	Answer c:	
II or	Answer c:	

## **Question 12 out of 40 questions**

What is the output of the following code when compiled and run?

```
public class Divisor {
  public static void main(String[] args) {
    int num = 0;
    while(num <= 14) {</pre>
      if(num % 3 == 1) {
        System.out.print("1 ");
      else if (num % 3 == 2) {
        System.out.print("2 ");
      else {System.out.print("0 ");
    num += 2;
  Answer a:
0210210
  Answer b:
021021021
Answer c:
01201201
Answer d:
21021021
  Answer e:
02102102
```

## **Question 13 out of 40 questions**

Which one of the following statements about method overloading and overriding is true?

Answer a:

Overriding allows for polymorphism which means that the actual method that gets called at runtime depends on the type of the object at runtime.

Answer b:

In overloading, two methods with the same name can have the same sequence of parameters as long as the parameter names are different.

Answer c: Overloading two methods means that one of the method names has to be different than the other.	
Answer d: Overloading and overriding of methods are interchangeable terms in the object-oriented paradigm.	
Answer e: Overriding means that two methods in the same class have the same name, but different parameter lists.	
Question 14 out of 40 questions	
Assume that variable b is an array of k integers and that the following is true: $b[0] != b[k]$ for all k such that 1 <= k Which of the following statements is a valid conclusion?	
Answer a: Array b is not sorted	
Answer b: The value in b[0] does not occur anywhere else in the array	
Answer c: The value in b[0] is the smallest value in the array	
Answer d: Array b is sorted	
Answer e: Array b contains no duplicates	
Question 15 out of 40 questions	
Which will cause the <b>shortest</b> execution of a <b>binary search</b> looking for a value in an array of integers sorted in ascending order? The array has an odd number of integers.	
Answer a: The value is the last in the array.	

Answer b:

The value is in the middle of the array.

Answer c:

The value is not in the array.

Answer d:

The value is the first in the array.

Answer e:

The value is the third element in the array.

## **Question 16 out of 40 questions**

What is the output of the following code when compiled and run?

```
public static void test()
    int num = 0;
    while(num <= 14)</pre>
      if(num % 3 == 1)
        System.out.print("1 ");
      else if (num % 3 == 2)
        System.out.print("2 ");
      else
        System.out.print("0 ");
      num += 2;
  Answer a:
02102102
```

Answer b: 21021021

```
Answer c: 0 1 2 0 1 2 0 1 2 0 1

Answer d: 0 2 1 0 2 1 0

Answer e: 0 2 1 0 2 1 0 2 1
```

#### Question 17 out of 40 questions

```
Given the following incomplete class declaration:
public class TimeRecord
  private int hours;
  private int minutes; // 0<=minutes<60</pre>
  public TimeRecord(int h, int m)
    hours = h;
    minutes = m;
  // postcondition: returns the
  // number of hours
  public int getHours()
  { /* implementation not shown */ }
  // postcondition: returns the number
  // of minutes; 0 <= minutes < 60</pre>
  public int getMinutes()
  { /* implementation not shown */ }
  // precondition: h \ge 0; m \ge 0
  // postcondition: adds h hours and
  // m minutes to this TimeRecord
  public void advance(int h, int m)
    hours = hours + h;
    minutes = minutes + m;
    /* missing code */
  // ... other methods not shown
```

Which of the following can be used to replace the missing code in the advance method so that it will correctly update the time?

```
minutes = minutes % 60;
   Answer b:
hours = hours + minutes / 60;
minutes = minutes % 60;
   Answer c:
hours = hours + minutes / 60;
   Answer d:
minutes = minutes + hours % 60;
   Answer e:
hours = hours + minutes % 60;
minutes = minutes / 60;
Question 18 out of 40 questions
Consider the following classes.
public abstract class Animal
   public void run()
      System.out.println("Running");
public class Cheetah extends Animal
   public void run()
      super.run();
      System.out.println("Running really fast");
What will be printed out when the below code segment is run?
```

Answer a:

```
Animal c = new Cheetah();
c.run();
Answer a:
Nothing will be printed, because of a compiler error.
   Answer b:
Running really fast
   Answer c:
Running
Running really fast
   Answer d:
Running
   Answer e:
Running really fast
Running
Question 19 out of 40 questions
Consider the following code segment:
for (int k = 0; k < 20; k = k + 2)
   if (k % 3 == 1)
      System.out.print(k + " ");
What is printed as a result of executing the code segment?
Answer a:
0 6 12 18
Answer b:
4 10 16
Answer c:
1 4 7 10 13 16 19
```

```
Answer d:
0 2 4 6 8 10 12 14 16 18
Answer e:
4 16
Question 20 out of 40 questions
public class Student {
  public String getFood() {
     return "Pizza";
  public String getInfo() {
     return this.getFood();
}
public class GradStudent extends Student {
  public String getFood() {
     return "Taco";
What is the output from this:
Student s1 = new GradStudent();
s1.getInfo();
Answer a:
Won't compile since you are creating a GradStudent, not a Student
Answer b:
Taco
Answer c:
Won't compile since GradStudent doesn?t have a getInfo method
Answer d:
Won't compile since you use this.getFood()
Answer e:
Pizza
```

## **Question 21 out of 40 questions**

```
The following classes are defined:
public class Car
     private int fuel;
     public Car() { fuel = 0; }
     public Car(int g) { fuel = g; }
     public void addFuel() { fuel++; }
     public void display() { System.out.print(fuel + " "); }
}
public class RaceCar extends Car
     public RaceCar(int g) { super(2*g); }
What is the result when the following code is compiled and run?
Car car = new Car(5);
Car fastCar = new RaceCar(5);
car.display()
car.addFuel();
car.display();
fastCar.display();
fastCar.addFuel();
fastCar.display();
   Answer a:
You get a runtime error ClassCastException, when fastCar.addFuel() is executed.
   Answer b:
The code won't compile because there aren't addFuel and display methods in the
RaceCar class.
   Answer c:
The code compiles and runs with no errors, the output is 5 6 5 6
  Answer d:
The code compiles and runs with no errors, the output is: 5 6 10 11
   Answer e:
The code compiles and runs with no errors, the output is 10 11 10 11
```

#### **Question 22 out of 40 questions**

Given the following declaration of a field in a class:

public static final String GREETING = "Hi";

Which of these statements is **not** true?

Answer a:
Each object of this class has a copy of GREETING

Answer b:
Each object of this class can access GREETING

Answer c:
GREETING.length() == 2

Answer d:
The value of GREETING can not be changed in any methods

## Answer e:

GREETING.toUpperCase().equals("HI")

### **Question 23 out of 40 questions**

At a certain high school students receive letter grades based on the following scale.

Numeric Score 93 or Above	Letter Grade A
From 84 to 92 inclusive	В
From 75 to 83 inclusive	С
Below 75	F

Which of the following code segments will assign the correct string to grade for a given integer score?

```
I. if (score >= 93)
        grade = "A";
if (score >= 84 && score <= 92)
        grade = "B";
if (score >= 75 && score <= 83)
        grade = "C";
if (score < 75)</pre>
```

```
grade = "F";
     if (score >= 93)
II.
         grade = "A";
     if (score >= 84)
         grade = "B";
     if (score >= 75)
         grade = "C";
     if (score < 75)
         grade = "F";
III. if (score >= 93)
         grade = "A";
     else if (score >= 84)
         grade = "B";
     else if (score >= 75)
        grade = "C";
     else
         grade = "F";
   Answer a:
I and III only
  Answer b:
I, II, and III
  Answer c:
I and II only
  Answer d:
II only
  Answer e:
III only
```

## Question 24 out of 40 questions

Consider the following code segment. The code is intended to read nonnegative numbers and compute their sum until a negative number is read. However, it does not work as intended. (Assume that readInt works correctly to read the next number from the input stream.)

```
int i = 1;
int sum = 0;
```

```
while (i >= 0)
{
    System.out.println("enter a number (enter 0 to quit): ");
    i = readInt(); // read int from user
    sum = sum + i;
}
System.out.println("sum: " + sum);
Which of the following best describes the error in the program?

Answer a:
The variable i is incorrectly initalized.

Answer b:
If the user enters a zero the loop will stop.

Answer c:
The while loop never executes.

Answer d:
The while is always true.

Answer e:
```

## **Question 25 out of 40 questions**

Consider the following declaration for a class that will be used to represent points in the xy-coordinate plane:

The negative number that signals the end of the input is included in the sum.

```
public class Point
{
  private int myX; // coordinates
  private int myY;

  public Point()
  {
    myX = 0;
    myY = 0;
   }

  public Point(int a, int b)
  {
    myX = a;
    myY = b;
  }
```

```
// ... other methods not shown
The following incomplete class declaration is intended to extend the above class so that
two-dimensional points can be named.
public class NamedPoint extends Point
  private String myName;
  // constructors go here
  // ... other methods not shown
Consider the following proposed constructors for this class:
     public NamedPoint()
       myName = "";
     public NamedPoint(int d1, int d2, String name)
II.
       myX = d1;
       myY = d2;
       myName = name;
III. public NamedPoint(int d1, int d2, String name)
        super(d1, d2);
        myName = name;
Which of these constructors would be legal for the NamedPoint class?
Answer a:
I only
  Answer b:
II only
Answer c:
III only
  Answer d:
I and II
Answer e:
I and III
```

## **Question 26 out of 40 questions**

```
Consider the following segment of code:
public static void modulusDivision(int n)
   if (n % 10 == 1)
      System.out.println("End");
   else
      System.out.println("Recursing");
      modulusDivision(n/10);
What will printed as a result of the call modulusDivision(1001);?
   Answer a:
Recursing
End
   Answer b:
Recursing
Recursing
End
   Answer c:
Recursing
Recursing
Recursing
   Answer d:
Recursing
Recursing
Recursing
Recursing
End
   Answer e:
End
```

## Question 27 out of 40 questions

Consider the following code segment:

```
int [][] mat = new int [3][4];
for (int row = 0; row < mat.length; row++)</pre>
  for (int col = 0; col < mat[0].length; col++)</pre>
    if (row < col)</pre>
      mat[row][col] = 1;
    else if (row == col)
      mat[row][col] = 2;
      mat[row][col] = 3;
What are the contents of mat after the code segment has been executed?
   Answer a:
{{2 1 1 1},
 {3 2 1 1},
{3 3 2 1}}
   Answer b:
{{2 3 3 3},
{1 2 3 3},
{1 1 2 3}}
   Answer c:
{{2 3 3},
 {1 2 3},
 {1 1 2},
 {1 1 1}}
   Answer d:
{{2 1 1},
 {3 2 1},
 {3 3 2},
 {3 3 3}}
```

```
Answer e:

{{1 1 1 1},
{2 2 2 2},
{3 3 3 3}}
```

#### Question 28 out of 40 questions

```
Consider the following code segment
String s1 = "xyz";
String s2 = s1;
String s3 = s2;
After this code is executed, which of the following statements will evaluate to TRUE?
I. s1.equals(s3)
II. s1 == s2
III. s1 == s3
Answer a:
III only
Answer b:
I,II, and III
Answer c:
II only
Answer d:
II and III only
Answer e:
I only
```

## Question 29 out of 40 questions

Assume that temp is an int variable initialized to be greater than zero and that a is an array of ints. Consider the following code segment:

```
for ( int k = 0; k < a.length; k++ )
{
   while ( a[ k ] < temp )
   {
      a[ k ] *= 2;
   }
}</pre>
```

What of the following will cause an infinite loop?		
Answer a: Whenever a includes a value equal to temp.		
Answer b: Whenever a includes a value that is less than or equal to zero.		
Answer c: The values don't matter this will always cause an infinite loop.		
Answer d: When all values in a are larger than temp.		
Answer e: Whenever a has values larger then temp.		
Question 30 out of 40 questions		
A two-dimensional array: imagePixels, holds the brightness values for the pixels in an image. The brightness can range from 0 to 255. public int findMax(int[][] imagePixels) {		
<pre>int r, c; int i, iMax = 0;</pre>		
<pre>for(r = 0; r &lt; imagePixels.length; r++) {     for(c = 0; c &lt; imagePixels[0].length; c++) {         i = image[r][c];         if(i &gt; iMax)             iMax = i;     } } return iMax;</pre>		
What does this method compute?		
Answer a: The most frequent brightness value in imagePixels		
Answer b: The column with the greatest brightness sum		

```
Answer c:
The row with the greatest brightness sum
   Answer d:
The maximum brightness value for all pixels in imagePixels
   Answer e:
The sum of the total brightness of imagePixels
Question 31 out of 40 questions
What does the following method return when called with f(5)?
public static int f(int n)
    if (n == 0)
       return 0;
    else if (n == 1)
       return 1;
    else return f(n-1) + f(n-2);
   Answer a:
5
   Answer b:
There is no result because of infinite recursion.
   Answer c:
3
   Answer d:
   Answer e:
Question 32 out of 40 questions
The following method attempts to perform an insertion sort:
       public void sort()
0:
```

```
for (int i = 1; i < a.length; i++)
1:
2:
              int next = a[i];
3:
              // Move all larger elements to the right
4:
5:
              int j = i;
6:
              while (j > 0 \&\& a[j - 1] > next)
7:
                 a[j-1] = a[j];
8:
9:
                 j--;
10:
11:
               // Insert the element
12:
               a[j] = next;
13:
        }
14:
However, it does not work properly. Which is the line that
contains an error?
   Answer a:
In line 8 it should be a[j] = a[j-1];
   Answer b:
In line 5, should be int j = i + 1;
Answer c:
In line 1 the code i < a.length should be i < a.length ? 1.</pre>
   Answer d:
In line 1 the code should be for (int i = 0; i < a.length; i++)
   Answer e:
In line 6 the code j > 0 should be j < i.
Question 33 out of 40 questions
Given the following incomplete class declaration:
public class TimeRecord
  private int hours;
  private int minutes; // 0<=minutes<60</pre>
  public TimeRecord(int h, int m)
```

```
hours = h;
    minutes = m;
  // postcondition: returns the
  // number of hours
  public int getHours()
  { /* implementation not shown */ }
  // postcondition: returns the number
  // of minutes; 0 <= minutes < 60</pre>
  public int getMinutes()
  { /* implementation not shown */ }
  // precondition: h \ge 0; m \ge 0
  // postcondition: adds h hours and
  // m minutes to this TimeRecord
  public void advance(int h, int m)
    hours = hours + h;
    minutes = minutes + m;
    /* missing code */
  // ... other methods not shown
Consider the following declaration that appears in a client program:
TimeRecord[] timeCards = new TimeRecord[100];
Assume that timeCards has been initialized with TimeRecord objects. Consider the
following code segment that is intended to compute the total of all the times stored in
timeCards.
TimeRecord total = new TimeRecord(0,0);
for (int k = 0; k < timeCards.length; k++)</pre>
/* missing expression */;
Which of the following can be used to replace /* missing expression */ so that the code
segment will work as intended?
   Answer a:
total += timeCards[k].advance()
   Answer b:
```

```
total.advance(timeCards[k].hours,
                         timeCards[k].minutes)
   Answer c:
total.advance(timeCards[k].getHours(),
                          timeCards[k].getMinutes())
   Answer d:
timeCards[k].advance()
   Answer e:
timeCards[k].advance(timeCards[k].getHours(),
                                       timeCards[k].getMinutes())
Question 34 out of 40 questions
Assume that a two-dimensional array matrix is defined as follows.
int[][] matrix = new int[4][4];
Consider the following code segment.
int sum = 0;
int col = matrix[0].length - 2;
for (int row = 0; row < 4; row++)
 sum = sum + matrix[row][col];
Assume that matrix has the following values before the code segment above is
executed. Note that matrix[0][3] is 2.
 0123
01122
11224
21234
31412
What is the resulting value of sum?
   Answer a:
   Answer b:
```

10	Answer c:	
8	Answer d:	
12	Answer e:	
Question 35 out of 40 questions		
implin th	ch of the following method signatures will satisfy the Comparable interface lemented in a class called CurrClass that says it implements Comparable CurrClass ne class definition?  public boolean compareTo(Object o)  public int compareTo(Object o)  public int compareTo(CurrClass c)  public boolean compareTo(CurrClass c)	
<b>□</b> I on	Answer a: ly	
IV o	Answer b:	
<b>□</b> III o	Answer c: nly	
II or	Answer d:	
<b>□</b> II ar	Answer e:	
Qu	estion 36 out of 40 questions	
_	olic class Student { private String getFood() {	

return "Pizza";

public String getInfo() {
 return this.getFood();

```
public class GradStudent extends Student {
  private String getFood() {
     return "Taco";
  public void teach(){
     System.out.println("Education!");
What is the output from this:
Student s1 = new GradStudent();
s1.getInfo();
Answer a:
Pizza
Answer b:
Won't compile since you use this.getFood()
Answer c:
Won't compile since you are creating a GradStudent, not a Student
Answer d:
Taco
Answer e:
Won't compile since GradStudent doesn't have a getInfo method.
Question 37 out of 40 questions
The relationship between Dog and DogOwner is what object-oriented concept?
public class Dog
   private String name;
   public void setName(String n)
      name = n;
   public String getName()
```

```
return name;
public class DogOwner
  private String name;
  private Dog[] dogs;
  Answer a:
Overloading
Answer b:
Polymorphism
Answer c:
Association
  Answer d:
Interface
   Answer e:
Inheritance
Question 38 out of 40 questions
Which of the following reasons for using an inheritance heirarchy are valid?
     Methods from a superclass can be used in a subclass without
     rewriting or copying code.
II.
     Objects from subclasses can be passed as arguments to a
method
     designed for the superclass
III. Objects from subclasses can be stored in the same array
IV. All of the above
V.
     None of the above
   Answer a:
```

I and III

IV	Answer b:
☐ I an	Answer c:
<b>□</b> I on	Answer d:
V.	Answer e:
Qu	estion 39 out of 40 questions
inte { i+ boo	e following code fragment deos a sequential search to determine whether a given eger, vlaue, is stored in an array a[0]a[n-1] int i = 0; while(/*boolean expression*/) +; } if (i == n) return -1; else return i; Which of the following should replace (/* blean expression */)? (a) value != a[i] (b) i < n && value == a[i] (c) va;ue != a[i] && i < n & value != a[i] (e) i < n    value != a[i]
(b)	Answer a:
(a)	Answer b:
(c)	Answer c:
C (d)i	Answer d: < n && value != a[i]
(e)	Answer e:
Qu	estion 40 out of 40 questions
	nsider the following declarations. olic class Test1
ι	<pre>public void method1(Test2 v1, Test3 v2) {</pre>

```
public class Test2 extends Test1
public class Test3 extends Test2
The following initializations appear in a different class.
Test1 t1 = new Test1();
Test2 t2 = new Test2();
Test3 t3 = new Test3();
Which of the following is a correct call to method1?
   Answer a:
t3.method1(t3,t3);
   Answer b:
t2.method1(t2,t2);
Answer c:
t3.method1(t1,t1);
   Answer d:
t1.method1(t1,t1);
   Answer e:
t2.method1(t3,t2);
```