

## 98-388 Dumps

### Introduction to Programming Using Java

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## NEW QUESTION 1

### HOTSPOT

You are writing a Java method named `safeRoot`. The method must meet the following requirements:

- Accept two double parameters `radicand` and `index`
- If `radicand` is negative and `index` is even, return null
- If `radicand` is negative and `index` is odd, return `-Math.pow(-radicand, 1 / index)`
- Otherwise, return `Math.pow(radicand, 1 / index)`

How should you complete the code? To answer, select the appropriate code segments in the answer area. NOTE: Each correct selection is worth one point.

**Answer Area**

```
public static double safeRoot(double radicand, double index) {
    {
        if (radicand >= 0)
            if (index % 2 == 0)
    }
    {
        {
            return null;
        }
        {
            return -Math.pow(-radicand, 1 / index);
        }
    }
}
```

```
public static double safeRoot(double radicand, double index) {
    {
        if (radicand >= 0)
            if (index % 2 == 0)
    }
    {
        {
            return null;
        }
        {
            return -Math.pow(-radicand, 1 / index);
        }
    }
}
```

else if (index % 2 == 0)  
else if (radicand >= 0)  
else  
if (radicand >= 0)  
if (index % 2 == 0)

else if (index % 2 == 0)  
else if (radicand >= 0)  
else  
if (radicand >= 0)  
if (index % 2 == 0)

- A. Mastered  
B. Not Mastered

**Answer: A**

**Explanation:**

```
public static double safeRoot(double radicand, double index) {
    {
        if (radicand >= 0)
            if (index % 2 == 0)
    }
    {
        {
            return null;
        }
        {
            return -Math.pow(-radicand, 1 / index);
        }
    }
}
```

else if (index % 2 == 0)  
else if (radicand >= 0)  
else  
if (radicand >= 0)  
if (index % 2 == 0)

else if (index % 2 == 0)  
else if (radicand >= 0)  
else  
if (radicand >= 0)  
if (index % 2 == 0)

## NEW QUESTION 2

### HOTSPOT

You are interviewing for a job as a Java developer. You need to demonstrate your understanding of switch statements.

For each of the following code segments, select Yes if the code segment can be changed to a switch statement with up to three case statements. Otherwise, select No.

NOTE: Each correct selection is worth one point.

	Yes	No
<pre>if (age &gt;= 25) {     discount = 0.50; } else if (age &gt;= 21) {     discount = 0.25; } else {     discount = 0.0; }</pre>	<input type="radio"/>	<input type="radio"/>
<pre>if (grade == "A") {     message = "Exceeds Standards"; } else if (grade == "B") {     message = "Meets Standards"; } else {     message = "Needs Improvement"; }</pre>	<input type="radio"/>	<input type="radio"/>
<pre>if (gpa == 4.0) {     priority = 1; } else if (gpa &gt;= 3.0) {     priority = 2; } else if (gpa &gt;= 2.5) {     priority = 3; }</pre>	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

	Yes	No
<pre>if (age &gt;= 25) {     discount = 0.50; } else if (age &gt;= 21) {     discount = 0.25; } else {     discount = 0.0; }</pre>	<input checked="" type="radio"/>	<input type="radio"/>
<pre>if (grade == "A") {     message = "Exceeds Standards"; } else if (grade == "B") {     message = "Meets Standards"; } else {     message = "Needs Improvement"; }</pre>	<input checked="" type="radio"/>	<input type="radio"/>
<pre>if (gpa == 4.0) {     priority = 1; } else if (gpa &gt;= 3.0) {     priority = 2; } else if (gpa &gt;= 2.5) {     priority = 3; }</pre>	<input type="radio"/>	<input checked="" type="radio"/>

## NEW QUESTION 3

### DRAG DROP

Northwind Traders hires you to write a Java program to manage account openings. To open a new account, a user must meet one the following requirements:

- be over 65 years old and have a minimum annual income of 10,000
- be at least 21 and have an annual income greater than 25,000

How should you complete the code? To answer, drag the appropriate operator to the correct position. Each operator may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

**Operators**

>
&&
>=
||
==
!=
<=
=
<

**Answer Area**

```

if (age 65 income 10000
    age 21 income 25000) {
    System.out.println("Approved");
}
else {
    System.out.println("Declined");
}

```

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

**Operators**

>
&&
>=
||
==
!=
<=
=
<

**Answer Area**

```

if (age >= 65 && income == 10000 <=
    age < 21 == income != 25000) {
    System.out.println("Approved");
}
else {
    System.out.println("Declined");
}

```

#### NEW QUESTION 4

##### HOTSPOT

You are writing a Java class named savings Account. The class must meet the following requirements:

- Inherit from an existing class named Account
- Include a constructor that uses the base class constructor to initialize the starting balance
- Include a substitute toString() method

How should you complete the code? To answer select the appropriate code segments in the answer area.

```

public class SavingsAccount {
    double rate = 0.02;

    SavingsAccount(double startingBalance) {
        (startingBalance);
    }

    @Override
    public String toString() {
        return String.format("Savings Current Balance: %.2f", this.getBalance());
    }
}

```

Account {
extends
inherits
implements

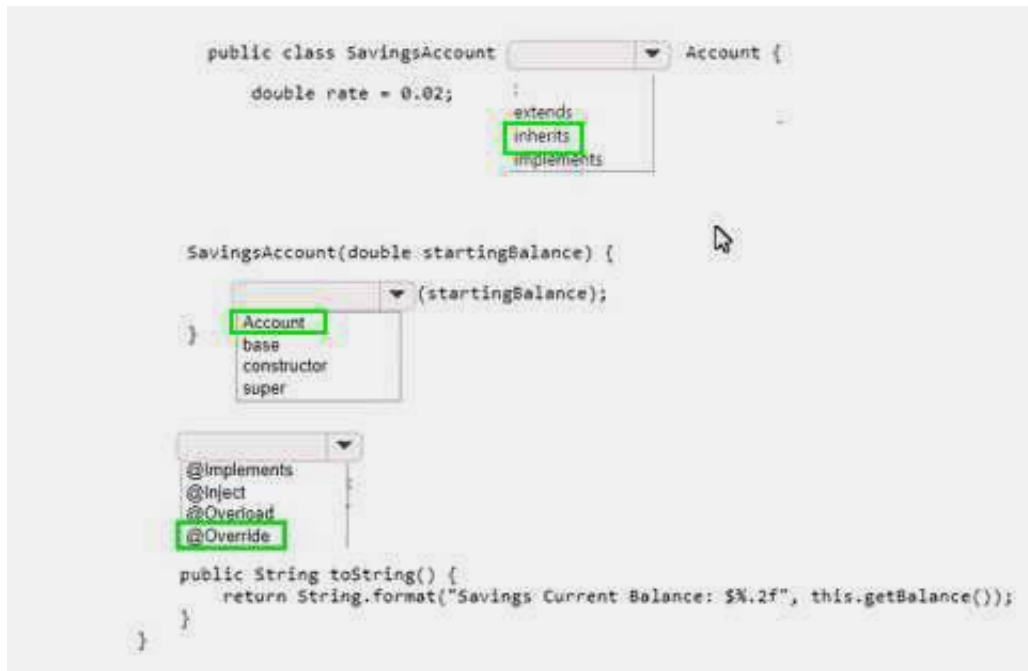
Account
base
constructor
super

@implements
@Inject
@Overload
@Override

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**



## NEW QUESTION 5

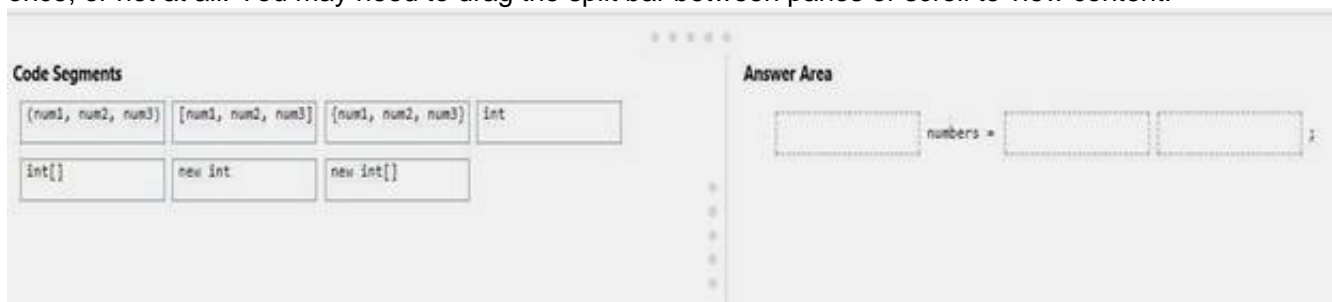
### DRAG DROP

You have the following code:

```
int num1 = 10;
int num2 = 20;
int num3 = 30;
```

You need to create an int array named numbers initialized with num1, num2, and num3.

How should you complete the code? To answer, drag the appropriate code segment to the correct position. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**



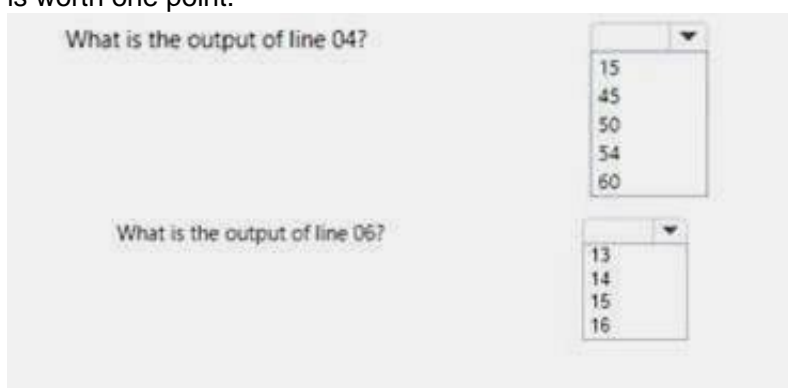
## NEW QUESTION 6

### HOTSPOT

You need to evaluate the following code segment. Line numbers are included for reference only.

```
01 int a = 5;
02 int b = 10;
03 int c = ++a * b--;
04 System.out.println(c);
05 int d = a-- + ++b;
06 System.out.println(d);
```

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the code. NOTE: Each correct selection is worth one point.

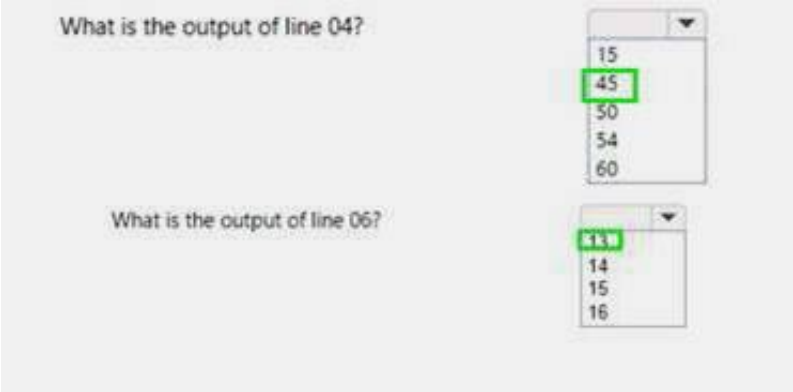




- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 7

You have the following code segment. Line numbers are included for reference only.

```
01 public static void main(String[] args)
02 {
03     double number = 27;
04     number %= -3d;
05     number += 10f;
06     number *= -4;
07     System.out.println(number);
08 }
```

What is the output of line 07?

- A. -44
- B. -40.0
- C. 40.0
- D. 44.0

Answer: A

NEW QUESTION 8

HOTSPOT

You are interviewing for a job as a Java developer. You need to evaluate the following code. Line numbers are included for reference only.

```
01 String s1 = "Hello World";
02 String s2 = "Hello World";
03 String s3 = s2;
04
05
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area		Yes	No
s1 and s2 refer to the same object in memory.	<input type="radio"/>	<input type="radio"/>	
s2 and s3 refer to the same object in memory.	<input type="radio"/>	<input type="radio"/>	
A different string can be assigned to s1 on line 04.	<input type="radio"/>	<input type="radio"/>	
A different string can be assigned to s2 on line 05.	<input type="radio"/>	<input type="radio"/>	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area		Yes	No
s1 and s2 refer to the same object in memory.	<input type="radio"/>	<input checked="" type="checkbox"/>	
s2 and s3 refer to the same object in memory.	<input checked="" type="checkbox"/>	<input type="radio"/>	
A different string can be assigned to s1 on line 04.	<input checked="" type="checkbox"/>	<input type="radio"/>	
A different string can be assigned to s2 on line 05.	<input type="radio"/>	<input checked="" type="checkbox"/>	

### NEW QUESTION 9

#### DRAG DROP

You are writing a Java method.

The method must meet the following requirements:

- Accept a String parameter `firstName`
- Display a welcome message that contains `firstName`
- Ensure that the first letter of the name is capitalized, and the remaining letters are in lowercase.

How should you complete the code? To answer, drag the appropriate code segment to the correct position. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

```
public String showGreeting(String firstName)
{
    String welcomeMsg = "Welcome, ";
    welcomeMsg += firstName. [ ] (0, 1). [ ] ();
    welcomeMsg += firstName. [ ] (1). [ ] ();
    return welcomeMsg;
}
```

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

```
public String showGreeting(String firstName)
{
    String welcomeMsg = "Welcome, ";
    welcomeMsg += firstName.toLowerCase().substring(0, 1).toUpperCase() +
    firstName.charAt(1).toLowerCase();
    return welcomeMsg;
}
```

### NEW QUESTION 10

You work as a Java programmer.

You need to convert a numeric string to a primitive double value. Which code segment should you use?

A)

```
Double.valueOf(numberString);
```

B)

```
double.parseDouble(numberString);
```

C)

```
String.parseDouble(numberString);
```

D)

```
Double.parseDouble(numberString);
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Answer:** D

### NEW QUESTION 10

#### DRAG DROP

Your instructor asks you to evaluate four arithmetic code segments.

What is the value of each code segment? To answer, drag the appropriate value from the column on the left to its code segment on the right. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Values		Answer Area	
0	1	( 2 + 3 ) * 4 - 1	
2	2.5	4 * 4 + 2 * 5	
15	19	8 * 2 % 3	
26	90	5 / 2 - 4 % 2	

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Values		Answer Area	
0	1	( 2 + 3 ) * 4 - 1	19
2	2.5	4 * 4 + 2 * 5	26
15	19	8 * 2 % 3	1
26	90	5 / 2 - 4 % 2	2.5

### NEW QUESTION 13

You need to analyze the following code segment. Line numbers are included for reference only.

```

01 public void printInt()
02 {
03     if (true) {
04         int num = 1;
05         if (num > 0) {
06             num++;
07         }
08     }
09     int num = 1;
10     addOne(num);
11     num = num - 1;
12     System.out.println(num);
13 }
14
15 public void addOne(int num)
16 {
17     num = num + 1;
18 }
    
```

What is the output of line 12 when you run printint()? A.0

- A. 1  
B. 2  
C. 3

**Answer:** A

### NEW QUESTION 17

HOTSPOT

You are writing a Java console program.

The program must meet the following requirements:

- Read a line of text entered by the user
- Print each word in the text to the console on a separate line

How should you complete the code? To answer, select the appropriate code segments in the answer area.

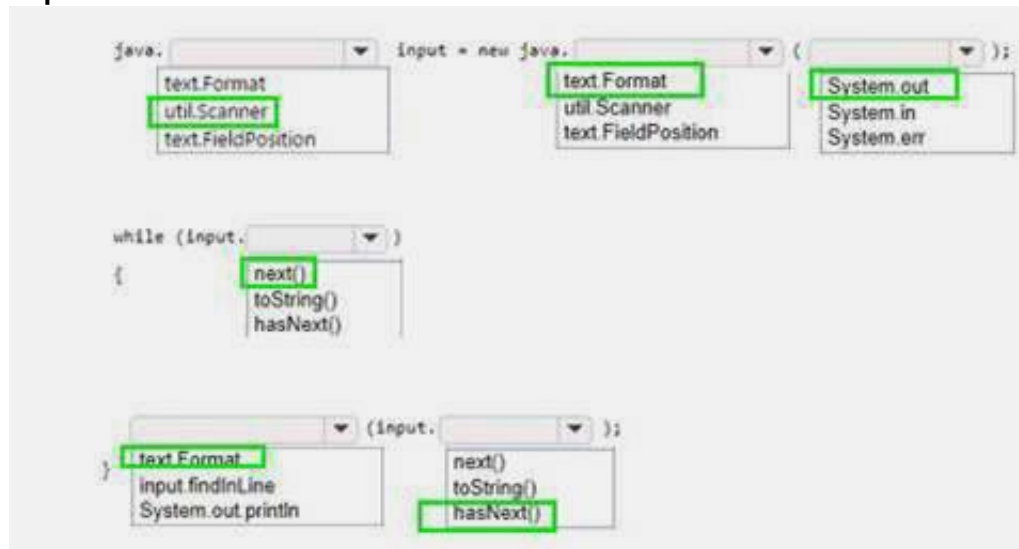
java.	input = new java.	(	);
text.Format util.Scanner text.FieldPosition	text.Format util.Scanner text.FieldPosition	System.out System.in System.err	
while (input.			
{			
next() toString() hasNext()			
}			
(input.			
text.Format input.findInLine System.out.println	next() toString() hasNext()	);	



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



## NEW QUESTION 19

HOTSPOT

You write the following code:

```
Scanner sc = new Scanner("1 Excellent 2 Good 3 Fair 4 Poor");
Object data1 = sc.next();
Object data2 = sc.next();
Object data3 = sc.nextInt();
Object data4 = sc.nextLine();
```

You need to determine the values of the data1, data2, data3, and data4 variables.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the code.

The value of data1 is

1  
1 Excellent 2 Good 3 Fair 4 Poor  
Excellent

The value of data2 is

Excellent  
Excellent 2 Good 3 Fair 4 Poor  
Good  
(An empty string)

The value of data3 is

0  
1  
2  
3

The value of data4 is

1 Excellent 2 Good 3 Fair 4 Poor  
Good 3 Fair 4 Poor  
Fair 4 Poor  
(An empty string)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

The value of data1 is

1  
1 Excellent 2 Good 3 Fair 4 Poor  
Excellent

The value of data2 is

Excellent  
Excellent 2 Good 3 Fair 4 Poor  
Good  
(An empty string)

The value of data3 is

0  
1  
2  
3

The value of data4 is

1 Excellent 2 Good 3 Fair 4 Poor  
Good 3 Fair 4 Poor  
Fair 4 Poor  
(An empty string)

#### NEW QUESTION 24

##### HOTSPOT

You are writing a Java console program. The program accepts command line arguments.

You need to ensure that the main method parses and handles each command line argument

How should you complete the code? To answer, select the appropriate code segments in the answer area.

```
public static void main(  args)
{
    for (int i = 0; i <  ; i++)
    {
        handleArgument(  );
    }
}
```

ArrayList  
String  
String[]

args[i]  
args[0]  
args.length  
args.length - 1  
args.length + 1

args[i]  
args[0]  
args.charAt(i)

- A. Mastered  
B. Not Mastered

**Answer: A**

**Explanation:**

```
public static void main(  args)
{
    for (int i = 0; i <  ; i++)
    {
        handleArgument(  );
    }
}
```

ArrayList  
String  
String[]

args[i]  
args[0]  
args.length  
args.length - 1  
args.length + 1

args[i]  
args[0]  
args.charAt(i)

#### NEW QUESTION 27

##### HOTSPOT

You are creating a Java console application.

You need to read a birthdate entered by the user.

How should you complete the code? To answer, select the appropriate code segments in the answer area.

**Answer Area**

import

```

public class DataReader
{
    public static String getBirthdate()
    {
        System.out.println("Enter your birthday in the format MMDDYYYY");
    }

```

;

String birthdate =  ;

;

return birthdate;

```

import java.io.*
import java.util.Scanner

public class DataReader
{
    public static String getBirthdate()
    {
        System.out.println("Enter your birthday in the format MMDDYYYY");
    }

```

```

    String birthdate =
    stream.close()
    sc.close()
    stream.wait()
    sc.wait()
    return birthdate;
}

```

```

    stream.read()
    sc.next()
    stream.mark(8)
    sc.wait()

```

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

```

import java.io.*
import java.util.Scanner

public class DataReader
{
    public static String getBirthdate()
    {
        System.out.println("Enter your birthday in the format MMDDYYYY");
    }

```

```

    String birthdate =
    stream.close()
    sc.close()
    stream.wait()
    sc.wait()
    return birthdate;
}

```

```

    stream.read()
    sc.next()
    stream.mark(8)
    sc.wait()

```

### NEW QUESTION 30

DRAG DROP

You need to evaluate the following Java program. Line numbers are included for reference only.

```
01 public class JavaProgram1
02 {
03     int x = 25;
04
05     public static void main(String[] args)
06     {
07         JavaProgram1 app = new JavaProgram1();
08         {
09             int x = 5;
10         }
11         {
12             int x = 10;
13         }
14         int x = 100;
15         System.out.println(x);
16         System.out.println(app.x);
17     }
18     public JavaProgram1()
19     {
20         int x = 1;
21         System.out.println(x);
22     }
23 }
```

Which three values will be displayed in sequence? To answer, move the appropriate values from the list of values to the answer area and arrange them in the correct order.

Values: 1, 5, 10, 25, 100

Answer Area: (empty)

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Values: 1, 5, 10, 25, 100

Answer Area: 5, 25, 100

### NEW QUESTION 31

#### DRAG DROP

You are interviewing for a job at Adventure Works, Inc. The hiring manager asks you to create a simple console program.

The program takes multiple arguments from the command line and writes them to the screen in the same order as they were typed on the command line.

Which three code segments should you use to develop the solution? To answer, move the appropriate code segments from the list of code segments to the answer area and arrange them in the correct order.

Code Segments:

- public static void main(String arguments) {
- for (int i = 0; i < args.length; i++) {
- System.out.println(args[i]);
- }
- for (int i = 1; i <= Integer.parseInt(args[0]); i++) {
- System.out.println(arguments[i]);
- }
- public static void main(String[] args) {
- for (int i = 0; i < arguments.length; i++) {

Answer Area: (empty)

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Code Segments

public static void main(String arguments) {

for (int i = 0; i < args.length; i++) {

System.out.println(args[i]);

}

for (int i = 1; i <= Integer.parseInt(args[0]); i++) {

System.out.println(arguments[i]);

}

public static void main(String[] args) {

for (int i = 0; i < arguments.length; i++) {

Answer Area

System.out.println(args[i]);

}

public static void main(String[] args) {

for (int i = 0; i < args.length; i++) {

NEW QUESTION 32

.....



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