



Microsoft

Exam Questions 98-388

Introduction to Programming Using Java

NEW QUESTION 1

HOTSPOT

You work as an intern Java programmer at Adventure Works. Your team lead asks you to create a method. The method must meet the following requirements:

- Accept an `int` array
- Check for duplicate values in the array
- Stop the outer loop as soon as a duplicate value has been detected and return `true`
- Return `false` if all values in the array are unique

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

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

```
public static boolean duplicate(int[] array) {
    boolean isDuplicate = false;
    for (int x = 0; x < array.length - 1; x++) {
        for (int y = x + 1; y < array.length; y++) {
            if (array[x] == array[y]) {
                isDuplicate = true;
                break;
            }
        }
    }
    return isDuplicate;
}
```

NEW QUESTION 2

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 3

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.

Code Segments

{num1, num2, num3}

[num1, num2, num3]

{num1, num2, num3}

int

int[]

new int

new int[]

Answer Area

numbers = ;

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Code Segments

{num1, num2, num3}

[num1, num2, num3]

{num1, num2, num3}

int

int[]

new int

new int[]

Answer Area

new int

 numbers =

int

{num1, num2, num3}

 ;

NEW QUESTION 4

HOTSPOT

You are developing a Java program to play Tic-Tac-Toe. You define the following array to store the state of the board:

```
char[][] grid = {
    {'-', '-', 'X'},
    {'-', '-', '-'},
    {'-', 'O', '-'}
};
```

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

Which array element contains an "X"?

grid[0][2]

grid[1][3]

grid[2][0]

grid[3][1]

Which array element contains an "o"?

grid[1][2]

grid[2][1]

grid[2][3]

grid[3][2]

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Which array element contains an "x"?

grid[0][2]
grid[1][3]
grid[2][0]
grid[3][1]

Which array element contains an "o"?

grid[1][2]
grid[2][1]
grid[2][3]
grid[3][2]

NEW QUESTION 5

HOTSPOT

You are creating a method that converts a string representation of a number into an actual number. The numbers passed into the method include whole numbers and fractional numbers.

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

```

public void convertStringToNumber(String numberAsString)
{
    

double
integer
String



number =



Double
double
integer
String



format
parseDouble
parseInt



(numberAsString);


    System.out.println(number);
}


```

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

```

public void convertStringToNumber(String numberAsString)
{
    

double
integer
String



number =



Double
double
integer
String



format
parseDouble
parseInt



(numberAsString);


    System.out.println(number);
}


```

NEW QUESTION 6

This question requires that you evaluate the underlined text to determine if it is correct.

You should use an int data type to store the numeric value 3,000,000,000 (3 billion) so that the least amount of memory is used.

Review the underlined text. If it makes the statement correct select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct.

- A. No change is needed.

B. a short

C. a byte

D. a long

Answer: A

NEW QUESTION 7

HOTSPOT

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

```

01 public static void main(String[] args) {
02     double pi = Math.PI; //3.141593
03     System.out.format("Pi is %.3f%n", pi);
04     System.out.format("Pi is %.0f%n", pi);
05     System.out.format("Pi is %09f%n", pi);
06 }

```

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

What is the output of line 03?

What is the output of line 04?

What is the output of line 05?

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

What is the output of line 03?

What is the output of line 04?

What is the output of line 05?

NEW QUESTION 8

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 9

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 10

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