Microsoft

98-388 Exam

Microsoft Introduction to Programming Using Java Exam

Questions & Answers Demo

Version: 9.0

Question: 1	uestion: 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.

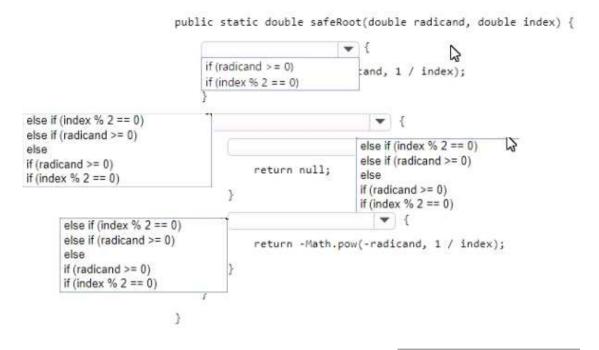
Answer Area

```
public static double safeRoot(double radicand, double index) {

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

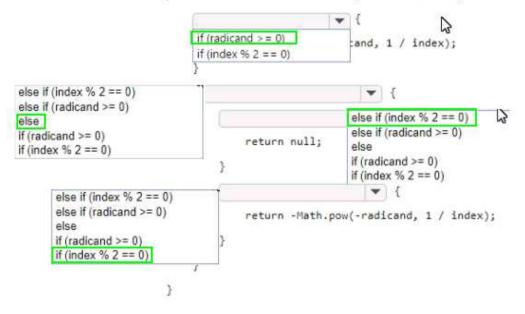
    v {
        return null;
}

    return -Math.pow(-radicand, 1 / index);
}
```





public static double safeRoot(double radicand, double index) {



Question: 2

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. NOTE: Each correct selection is worth one point.

```
public static boolean duplicate(int[] array) {
                                              x < array.length - 2;
   boolean isDuplicate = false;
                                              x < array.length - 1;
                                              x <= array.length;
   for (
                                              x <= array.length - 1;
          x = 0:
      for x = 1;
                          1; y < array.length;
          int x = 1;
                                                      x = x + 1
         int x = 0;
                                                      y = y - 1
                                                      Х--
            isDuplicate = true;
      if (isDuplicate)
                              w
          break;
          switch;
          finally;
          continue;
  return isDuplicate;
}
```

Answer:

```
public static boolean duplicate(int[] array) {
   boolean isDuplicate = false;
   for (
                                                            x++) {
          x = 0;
                             x < array.length - 2;
                             x < array.length - 1;
          x = 1;
                             x <= array.length;
          int x = 1;
                             x <= array.length - 1;
          int x = 0;
      for (int y = x + 1; y < array.length;
                                                   x = x + 1
                                                   y++
         if (array[x] == array[y])
                                                   y = y - 1
                                                   X--
            isDuplicate = true;
      if (isDuplicate)
          break;
          switch;
          finally;
          continue;
   }
   return isDuplicate;
}
```

Question: 3

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
 if (age >= 25) {
                                                                   0
                                                                              0
   discount = 0.50;
 } else if (age >= 21) {
   discount = 0.25;
 } else {
  discount = 0.0;
 if (grade == "A") {
  message = "Exceeds Standards";
                                                                  0
                                                                             0
 } else if (grade == "B") {
  message = "Meets Standards";
 } else {
   message = "Needs Improvement";
if (gpa == 4.0) {
                                                                 0 0
priority = 1;
} else if (gpa >= 3.0) {
priority = 2;
} else if (gpa >= 2.5) {
 priority = 3;
```

Answer:

```
Yes
                                                                   No
if (age >= 25) {
                                                         0
  discount = 0.50;
} else if (age >= 21) {
 discount = 0.25;
} else {
 discount = 0.0;
if (grade == "A") {
                                                        00
                                                                  0
 message = "Exceeds Standards";
} else if (grade == "B") {
 message = "Meets Standards";
} else {
 message = "Needs Improvement";
                                                         0
if (gpa == 4.0) {
  priority = 1;
} else if (gpa >= 3.0) {
  priority = 2;
} else if (gpa >= 2.5) {
  priority = 3;
```

Question: 4

HOTSPOT

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

```
01 public static int fee(char model) {
     int price = 0;
    switch (model) {
  case 'A':
03
04
          price = 50;
05
          break;
06
       case 'T':
07
08
         price = 20;
09
       case 'C':
10
          price = 5;
          break;
11
12
       default:
          price = 100;
13
14
       break;
15
16
     return price;
17 }
```

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

5 What is the return value when model has a value of 'A'? 20 50 100 5 What is the return value when model has a value of 'T'? 20 50 100 What is the return value when model has a value of 'c'? 5 20 50 100 What is the return value when model has any other value? 5 20 50 100 Answer:

What is the return value when model has a value of 'A'?		~	
	5		
	20		
	50		
	100		
What is the return value when model has a value of 'T'?			
	5		
	20		
	50		
	100	100	
What is the return value when model has a value of 'C'?		-	
	5		
	20		
	50	50	
	100		
What is the return value when model has any other value?			
	5	5	
	20		
	50	50	
		100	

Question: 5

HOTSPOT

You are writing a Java method.

The method must meet the following requirements:

- Accept a String array named entries
- Iterate through entries
- Stop the iteration and return false if any element has more than 10 characters
- Otherwise, return true

Answer:

```
Answer Area
                                             public boolean validateEntries(String[] entries) {
                                                boolean allValidEntries = true;
                                                ▼ (String entry ▼ entries) {
                                                  if (entry.length() > 10) {
                                                     allValidEntries = false;
                                                  }
                                                }
                                                return allValidEntries;
                                             }
Answer Area
                                            public boolean validateEntries(String[] entries) {
                                               boolean allValidEntries = true;
                               do
                                                         ▼ (String entry
                                                                                       ▼ entries) {
                               for
                               while
                                                if (entry.length() > 10) {
                                                    allValidEntries = false;
                                                                               instanceof
                                                     break;
                                                                                            0
                                                    continue;
                                                    goto:
                                               }
                                               return allValidEntries;
                                            ì
```

```
public boolean validateEntries(String[] entries) {
   boolean allValidEntries = true;
               ▼ (String entry

▼ entries) {
    do
    for
    while
                                   instanceof
     if (entry.length() > 10) {
        allValidEntries = false;
         break;
         continue;
         goto;
     }
   }
   return allValidEntries;
}
```