IRC_JAVA_MCQ_ARRAYS2D

Test Summary

- No. of Sections: 1
- No. of Questions: 15
- Total Duration: 30 min

Section 1 - MCQ

Section Summary

- No. of Questions: 15
- Duration: 30 min

Additional Instructions:

None

Q1.　　　Which of the following statements are correct?

> char[][] charArray = {'a', 'b'};

> char[2][2] charArray = {{'a', 'b'}, {'c', 'd'}}

> char[2][] charArray = {{'a', 'b'}, {'c', 'd'}};

> char[][] charArray = {{'a', 'b'}, {'c', 'd'}};

Q2.　　　What will be the output of the following java code?

```
1   class array_output
2   {
3       public static void main(String args[])
4       {
5          int array_variable[][] = {{ 1, 2, 3}, { 4 , 5, 6}, { 7, 8, 9}};
6          int sum = 0;
7          for (int i = 0; i < 3; ++i)
8            for (int j = 0; j <  3 ; ++j)
9                sum = sum + array_variable[i][j];
10         System.out.print(sum / 5);
11      }
12   }
```

> 8

> 9

> 10

> 11

Q3.　　　Given:
　　　　　Which of the following fragments prints out every element of items?

```
1   int[][] items =
2   { {0, 1, 3, 4},
3     {4, 3, 99, 0, 7 },
4     {3, 2} } ;
```

```
for ( int row=0; row < items.length; row++ )
{
 System.out.println();
 for ( int col=0; col < items.length; col++ )
  System.out.print( items[row][col] + " ");
}
```

```
for ( int row=0; row < items.length; row++ )
{
 System.out.println();
 for ( int col=0; col < items[col].length; col++ )
  System.out.print( items[row][col] + " ");
}
```

```
for ( int row=0; row < items.length; row++ )
{
 System.out.println();
 for ( int col=0; col < items[row].length; col++ )
  System.out.print( items[row][col] + " ");
}
```

```
for ( int row=0; row < items.length; row++ )
{
 for ( int row=0; row < items[row].length; row++ )
  System.out.print( items[row][col] + " ");
 System.out.println();
}
```

Q4.   Examine the following:
           what is in values[3][0] ?

```
1   double[][] values =
2    { {1.2, 9.0, 3.2},
3      {9.2, 0.5, 1.5, -1.2},
4      {7.3, 7.9, 4.8} } ;
```

| 7.3 |

| 7.9 |

| 9.2 |

| There is no such array element |

Q5.   How many elements are array matrix (int[][] matrix = new int[5][5])?

| 20 |

| 25 |

| 30 |

35

Q6.   What is the output of the following program?

```
1   public class Main
2   {
3      public static void main(String args[])
4      {
5         int arr[][] = new int[4][] ;
6         arr[0] = new int[1];
7         arr[1] = new int[2];
8         arr[2] = new int[3];
9         arr[3] = new int[4];
10        int i, j, k = 0;
11        for (i = 0; i < 4; i++)
12        {
13           for (j = 0; j < i + 1; j++)
14           {
15              arr[i][j] = k;
16              k++;
17           }
18        }
19        for (i = 0; i < 4; i++)
20        {
21           for (j = 0; j < i + 1; j++)
22           {
23              System.out.print(" " + arr[i][j]);
24              k++;
25           }
26           System.out.println();
27        }
28     }
29  }
30
31  |
```

Compile error

Exception

```
0
1 2
3 4 5
6 7 8 9
```

```
0
0 0
0 0 0
0 0 0 0
```

Q7.   Assume int[][] x = {{1, 2}, {3, 4}, {5, 6}}, what are x.length are x[0].length?

1 and 2

2 and 3

3 and 2

3 and 3

Q8.   Examine the following:
             what is in values[2][1] ?

```
1   double[][] values =
2   { {1.2, 9.0, 3.2},
3     {9.2, 0.5, 1.5, -1.2},
```

7.3

7.9

9.2

There is no such array element

Q9.   The subscripts are _____ than the row and column in which the element is located

One number less

One number more

Two number less

Two number more

Q10.   What will be the output of the following code?

```
1    class multidimention_array
2    {
3       public static void main(String args[])
4       {
5          int arr[][] = new int[3][];
6          arr[0] = new int[1];
7          arr[1] = new int[2];
8          arr[2] = new int[3];
9       int sum = 0;
10      for (int i = 0; i < 3; ++i)
11         for (int j = 0; j < i + 1; ++j)
12              arr[i][j] = j + 1;
13      for (int i = 0; i < 3; ++i)
14         for (int j = 0; j < i + 1; ++j)
15              sum + = arr[i][j];
16      System.out.print(sum);
17      }
18   }
```

11

10

13

14

Q11.   The _____ in a two-dimensional array specifies the elements row and column position.

Superscript

Subscript

Row number

Column number

Q12.   Given the following:
        What is the value of things.length ?

```
1  double[][] things =
2   { {1.2, 9.0},
3    {9.2, 0.5, 0.0},
4    {7.3, 7.9, 1.2, 3.9} } ;
```

2

3

4

9

Q13.   What is the index variable for the element at the first row and first column in array a?

a[0][0]

a[1][1]

a[0][1]

a[1][0]

Q14.   A _____ resembles a table.

One-dimensional array

Two-dimensional array

Three-dimensional array

N-dimensional array

Q15.   Each element in a two-dimensional array is identified by a unique combination of _____

One subscript

Two subscripts

Three subscripts

Zero subscript

Section 1 - MCQ

Q1

```
char[][] charArray = {{'a', 'b'}, {'c', 'd'}};
```

Solution

No Solution

Q2

9

Solution

No Solution

Q3

```
for ( int row=0; row < items.length; row++ )

{

System.out.println();

for ( int col=0; col < items[row].length; col++ )

System.out.print( items[row][col] + " ");

}
```

Solution

No Solution

Q4

There is no such array element

Solution

No Solution

Q5

25

Solution

No Solution

Q6

0

1 2

3 4 5

6 7 8 9

Solution

No Solution

Q7   3 and 2

Solution

No Solution

Q8   7.9

Solution

No Solution

Q9   One number less

Solution

No Solution

Q10   10

Solution

No Solution

Q11   Subscript

Solution

No Solution

Q12   3

Solution

No Solution

Q13   a[0][0]

Solution

No Solution

Q14   Two-dimensional array

Solution

No Solution

Q15   Two subscripts

Solution

No Solution