Snippet

Total points 10/12 ?

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✓   1/1

```java
public class Test{
        public static void main(String[] args){
                int[] a = new int[0];
                System.out.print(a.length);
        }
}
```

◉ 0   ✓

○ Compilation error, arrays cannot be initialized to zero size.

○ Compilation error, it is a.length() not a.length

○ None of the above

✓   1/1

```java
public class Test{
        public static void main(String[] args){
                int[] x = new int[3];
                System.out.println("x[0] is " + x[0]);
        }
}
```

○ The program has a compile error because the size of the array wasn't specified when
    declaring the array.

○ The program has a runtime error because the array elements are not initialized.

◉ The program runs fine and displays x[0] is 0.   ✓

○ The program has a runtime error because the array element x[0] is not defined.

✓   1/1

```java
public class Test{
        public static void main(String args[]){
                double[] myList = {1, 5, 5, 5, 5, 1};
                double max = myList[0];
                int indexOfMax = 0;
                for(int i = 1; i < myList.length; i++){
                        if(myList[i] > max){
                                max = myList[i];
                                indexOfMax = i;
                        }
                }
                System.out.println(indexOfMax);
        }
}
```

○   0

◉   1   ✓

○   2

○   3

○   4

✓   1/1

```
1.      class array_output
2.      {
3.          public static void main(String args[])
4.          {
5.              int array_variable [] = new int[10];
6.              for (int i = 0; i < 10; ++i)
7.              {
8.                  array_variable[i] = i;
9.                  System.out.print(array_variable[i] + " ");
10.                 i++;
11.             }
12.         }
13.     }
```

⦿ a) 0 2 4 6 8   ✓

○ b) 1 3 5 7 9

○ c) 0 1 2 3 4 5 6 7 8 9

○ d) 1 2 3 4 5 6 7 8 9 10

✕   0/1

```
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.     }
```

○ a) 11

○ b) 10

○ c) 13

◉ d) 14   ✕

Correct answer

◉ b) 10

✓　　　　　　　　　　　　　　　　　　　　　　　　1/1

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

○　a) 1 2 3 4 5 6 7 8 9 10

○　b) 0 1 2 3 4 5 6 7 8 9 10

○　c) i j k l m n o p q r

◉　d) i i i i i i i i i i　　　　　　　　　　　　　　　✓

✓   1/1

```java
public class Test{
        public static void main(String[] args){
                int[] x = {120, 200, 016 };
                for(int i = 0; i < x.length; i++)
                        System.out.print(x[i] + " ");
        }
}
```

○ 120 200 16

⦿ 120 200 14   ✓

○ 120 200 016

○ 016 is a compile error. It should be written as 16.

✕   0/1

```java
public class Test{
        public static void main(String[] args){
                int[] x = {1, 2, 3, 4};
                int[] y = x;

                x = new int[2];

                for(int i = 0; i < x.length; i++)
                        System.out.print(y[i] + " ");
        }
}
```

○ 1 2 3 4

○ 0 0 0 0

◉ 1 2   ✕

○ 0 0

○ None of these

Correct answer

◉ 0 0

✓   1/1

```java
public class Test{
        public static void main(String[] args){
                int[] a = new int[4];
                a[1] = 1;
                a = new int[2];
                System.out.println("a[1] is " + a[1]);
        }
}
```

○ The program has a compile error because new int[2

○ The program has a runtime error because a[1

◉ a[1] is 0   ✓

○ a[1] is 1

✓   1/1

```java
public class HelloWorld{
      public static void main(String[] args){
            double[] x = new double[]{1, 2, 3};
            System.out.println("Value is " + x[1]);
      }
}
```

○ The program has a compile error because the syntax new double[]{1, 2, 3} is wrong and it should be replaced by {1, 2, 3}.

○ The program has a compile error because the syntax new double[]{1, 2, 3} is wrong and it should be replaced by new double[3]{1, 2, 3};

○ The program has a compile error because the syntax new double[]{1, 2, 3} is wrong and it should be replaced by new double[]{1.0, 2.0, 3.0};

◉ The program compiles and runs fine and the output   ✓

✓

```java
int[] a = {0, 2, 4, 1, 3};
for(int i = 0; i < a.length; i++)
a[i] = a[(a[i] + 3) % a.length];
```

○ 0

◉ 1   ✓

○ 2

○ 3

○ 4

```
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.    }
```

○ a) 8

◉ b) 9   ✓

○ c) 10

○ d) 11

◉ Option 1

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