

Quiz 06

Due Oct 7 at 12pm**Points** 10**Questions** 10**Time Limit** None

Instructions

There is no time limit, but you may only make one submission.

Attempt History

	Attempt	Time	Score
LATEST	<u>Attempt 1</u>	21 minutes	10 out of 10

Score for this quiz: **10** out of 10

Submitted Sep 29 at 8:30pm

This attempt took 21 minutes.

Question 1

1 / 1 pts

What is the result of executing this code snippet?

```
int[] marks = { 90, 45, 67 };
for (int i = 0; i <= 3; i++)
{
    System.out.println(marks[i]);
}
```

- ☐ It displays all the marks in the array without any redundancy.
- ☐ It does not produce any output.
- ☐ It is an infinite loop.
- ☒ It causes an array index out of bounds error.

Correct!

Question 2**1 / 1 pts**

What is the output of the following code snippet?

```
ArrayList<Integer> num;  
num.add(4);  
System.out.println(num.size());
```

☐ 1☐ 4☒ Error because `num` is not initialized☐ 0**Correct!****Question 3****1 / 1 pts**

The method `findLargest` should return the largest of any number of double values. For example, the call `findLargest(3.4, -2.6, 2.9)` should return 3.4 and the call `findLargest(9.2, 17.6, 3.4, -2.6, 2.9)` should return 17.6. Partial code to do this is given below:

```
double findLargest (double... values)  
{  
    double max = Double.MIN_VALUE;  
    // New code goes here  
    return max;  
}
```

What code will complete this method?

```
for (double val : values)
{
    if (values[val] > max)
    {
        max = values[val];
    }
}
```

☐

```
for (int i = 0; i < values.length; i++)
{
    if (values[i] > max)
    {
        max = i;
    }
}
```

☐

```
for (int i = 0; i < values.length; i++)
{
    if (i > max)
    {
        max = i;
    }
}
```

☐**Correct!**

```
for (double val : values)
{
    if (val > max)
    {
        max = val;
    }
}
```

☒

Question 4

1 / 1 pts

Which one of the following statements is correct for the given code snippet?

```
int[] number = new int[3];    // Line 1
number[3] = 5;                // Line 2
```

Correct!

- ☐ Line 2 initializes the third element of the array with value 5.
- ☐ Line 2 declares and initializes an array of three elements with value 5.
- ☒ Line 2 causes a bounds error because 3 is an invalid index number.
- ☐ Line 2 initializes all the elements of the array with value 5.

Question 5**1 / 1 pts**

What is the output of the following code snippet?

```
int[] myarray = { 10, 20, 30, 40, 50 };  
System.out.print(myarray[2]);  
System.out.print(myarray[3]);
```

Correct!

- ☐ 2030
- ☐ 4050
- ☒ 3040
- ☐ 1050

Question 6**1 / 1 pts**

Consider the following line of code for calling a method named `func1`:

```
func1(listData, varData);
```

Which one of the following method headers is valid for `func1`, where `listData` is an integer array list and `varData` is an integer variable?

- ☐ `public void func1(int vdata, ArrayList<Integer> ldata)`

Correct!

- ☐ `public void func1(ArrayList<Integer> listData, varData)`
- ☒ `public void func1(ArrayList<Integer> ldata, int vdata)`
- ☐ `public void func1(int[] listData, int varData)`

Question 7**1 / 1 pts**

What is the output of the following statements?

```
ArrayList<String> names = new ArrayList<String>();
names.add("Bob");
names.add(0, "Ann");
names.remove(1);
names.add("Cal");
names.set(1, "Tony");
for (String s : names)
{
    System.out.print(s + ", ");
}
```

Correct!

- ☐ Cal, Bob, Ann,
- ☒ Ann, Tony,
- ☐ Cal, Bob, Tony,
- ☐ Ann, Bob,

Question 8**1 / 1 pts**

Which one of the following statements is a valid initialization of an array named `somearray` of ten elements?

- ☐ `int somearray[] = { 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 };`

Correct!

- ☐ `int somearray[10] = { 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 };`
- ☒ `int[] somearray = { 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 };`
- ☐ `int[10] somearray = { 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 };`

Question 9**1 / 1 pts**

Identify the correct statement for defining an integer array named `numarray` of ten elements.

Correct!

- ☐ `int[10] numarray;`
- ☒ `int[] numarray = new int[10];`
- ☐ `int[] numarray = new int[9];`
- ☐ `int numarray[10];`

Question 10**1 / 1 pts**

Which one of the following statements is the correct declaration for a two-dimensional array of 20 rows and 2 columns of type `int`?

Correct!

- ☐ `int[][] num = new int[20,2];`
- ☐ `int[][] num = new int[2,20];`
- ☐ `int[][] num = new int[20][20];`
- ☒ `int[][] num = new int[20][2];`

Quiz Score: **10** out of 10