	<b>ection 8</b> Answer	Quiz all questions in this section)					
	int[] arr[	at is the output? ] arr = new int[1]; 0] = 10; cem.out.println(arr[0]);		Mark for Review (1) Points			
	О	10 (*)					
	О	ArrayIndexOutOfBoundsException					
	•	0					
	$\circ$	1					
		Incorrect. Refer to Section 8 Lesson 1.					
	<b>2.</b> You	can access the size of any array by using the array's "length" property.		Mark for Review (1) Points			
	0	True (*)					
	€	False					
	6	Incorrect. Refer to Section 8 Lesson 1.					
	<b>3.</b> Whi	ch loop type is specially designed to traverse an array?		Mark for Review (1) Points			
	О	do while loop					
	•	repeat loop					
	С	while loop					
	$\circ$	for loop (*)					
		Incorrect. Refer to Section 8 Lesson 1.					
	<b>4.</b> Wha	at is the starting index of an array?		Mark for Review (1) Points			
	0	0 (*)					
	0	It depends on the type of the array.					
	С	You can start with anything					
	•	1					
	6	▼ Incorrect. Refer to Section 8 Lesson 1.					
	<b>5.</b> Arra	ays are like variables which must be declared prior to use.		Mark for Review (1) Points			
	0	True (*)					
	•	False					
6.	The Jav for an ArrayIn during t	Incorrect. Refer to Section 8 Lesson 1.  Mark for Review  dexOutOfBoundsException the compilation of a n containing arrays.  Incorrect. Refer to Section 8 Lesson 1.  Mark for Review  (1) Points					

	0	True (*)	
	•	False	
		Incorrect. Refer to Section 8 Lesson 1.	
		could you declare an ArrayList so that it can e true or false values?	Mark for Review (1) Points
	0 0 0	ArrayList <true, false=""> arrList = new ArrayList&lt;&gt;(); ArrayList<boolean> arrList = new ArrayList&lt;&lt;(); ArrayList<true, false=""> arrList = new ArrayList&lt;&gt;(); ArrayList<boolean> arrList = new ArrayList&lt;&gt;(); ArrayList&lt;&gt;(); (*)</boolean></true,></boolean></true,>	
		X Incorrect. Refer to Section 8 Lesson 2.	
	8. You inde	can access elements in an ArrayList by their x.	Mark for Review (1) Points
	О	True (*)	
	•	False	
		Incorrect. Refer to Section 8 Lesson 2.	
	<b>9.</b> Whi	ch is not used to traverse an ArrayList?	Mark for Review (1) Points
	0	ListIterator	. ,
	•	iterator	
	0	for-each loop	
	0	do- while loop (*)	
		Incorrect. Refer to Section 8 Lesson 2.	
		ch exception is thrown when an application mpts to use null when an object is required?	Mark for Review (1) Points
	•	NullPointerException (*)	
	C	FileNotFoundException	
	0	ArithmeticException	
	C	ArrayIndexOutOfBoundsException	
		Correct	
happens when you don't handle an exception?	Mark for Review (1) Points		

		(	The ex	ecution of the program is terminated abruptly. (*)	
		(	The pro	ogram encounters error and simply ignores it.	
		(		age is printed to the console to ask you how to handle the	
		(	error. All of the	ne code after the error is skipped, but the program still runs.	
				Correct	
	13	<b>2.</b> V	hich code	goes in the try block?	Mark for Review (1) Points
		(	Any co	de that is likely to cause an exception. (*)	
		(	Any co	de that is safe from an exception.	
		(	Any co	de that can handle an exception.	
		(	Any co	de that is likely to print the exception details.	
				Incorrect. Refer to Section 8 Lesson 3.	
	13	<b>3.</b> R	untime erro	ors can be caught by Java's exception handling mechanism.	Mark for Review (1) Points
		(	True (*		
		(	False		
				Incorrect. Refer to Section 8 Lesson 4.	
	14			etBeans debugger, you can set breakpoints and trace through ne line at a time.	Mark for Review (1) Points
		(	True (*	)	
		(	False		
				X Incorrect. Refer to Section 8 Lesson 4.	
	1!	<b>5.</b> I	lentify whe	ere there is a potential bug in this code:	Mark for Review
				Circle = 10; rcle = Math.PI * radiusOfCircle * radiusOfCircle;	(1) Points
		(	A datat	ype is incorrect. (*)	
		(	A varia	ble hasn't been assigned a value.	
		(	A semi-	colon is missing.	
		(	A varia	ble name is misspelled.	
4 ^	WW0.10	_		<b>✓</b> Correct	
a v v n d	arrays re like ariables which nust be leclared brior to		Mark for (1)	Review Points	
	- (	0	True (*)		

	⊚	False	
		X Incorrect. Refer to Section 8 Lesson 1.	
2.	Give int a Wha		Mark for Review (1) Points
	С	1	
	$\circ$	0	
	$\mathbf{C}$	Some random number.	
	$\odot$	null (*)	
		✓ Correct	
3.	. You	can access the size of any array by using the array's "length" property.	Mark for Review (1) Points
	C	True (*)	
	$\odot$	False	
		X Incorrect. Refer to Section 8 Lesson 1.	
4.		Java compiler does not check for an ArrayIndexOutOfBoundsException ng the compilation of a program containing arrays.	Mark for Review (1) Points
	О	True (*)	
	•	False	
		X Incorrect. Refer to Section 8 Lesson 1.	
5.	int[] arr[	at is the output? ] arr = new int[1]; 0] = 10; rem.out.println(arr[0]);	Mark for Review (1) Points
	•	0	
	C	1	
	C	10 (*)	
	C	ArrayIndexOutOfBoundsException	
		Incorrect. Refer to Section 8 Lesson 1.	
<b>6.</b> Which to are valid array declarat	d	Mark for Review (1) Points	
		(Choose all correct answers)	
		int array size;	
		int[] size; (*)	
		[]int size;	
		int size[]; (*)	
		X Incorrect. Refer to Section 8 Lesson 1.	

ZI WINC	th of the following is flot a wrapper class:	Mark for Review (1) Points
0	Boolean	
С	String (*)	
•	Integer	
0	Byte	
	X Incorrect. Refer to Section 8 Lesson 2.	
<b>8.</b> You	can access elements in an ArrayList by their index.	Mark for Review
		(1) Points
C	True (*)	
•	False	
	X Incorrect. Refer to Section 8 Lesson 2.	
<b>9.</b> Whic	ch is NOT a benefit of ArrayList class?	Mark for Review
		(1) Points
C	You can remove all of the elements of an ArrayList with a method.	
C	You can use an ArrayList list to store Java primitive values (like int). (*)	
C	An ArrayList grows as you add elements.	
•	An ArrayList shrinks as you remove elements.	
	X Incorrect. Refer to Section 8 Lesson 2.	
<b>10.</b> Iden	tify where there is a potential bug in this code:	Mark for Review
	adiusOfCircle = 10; reaOfCircle = Math.PI * radiusOfCircle * radiusOfCircle;	(1) Points
C	A semi-colon is missing.	
C	A variable hasn't been assigned a value.	
•	A datatype is incorrect. (*)	
C	A variable name is misspelled.	
dd Taellan and -	<b>✓</b> Correct	
11. Testing and debugging are important activities in software development.	Mark for Review (1) Points	
0	True (*)	
•	False	
	X Incorrect. Refer to Section 8 Lesson 4.	
<b>12.</b> Wi	nich is not a compilation error?	Mark for Review (1) Points

**7.** Which of the following is not a wrapper class?

```
int y;
         y++; (*)
         y = 3 + * 5;
         x = (3 + 5;
        int x=2
                           X Incorrect, Refer to Section 8 Lesson 4.
13. What is the danger of catching a generic Exception type as shown
                                                                                 Mark for Review
    below?
                                                                                       (1) Points
    int[] array = {10, 20, 30};
    int b = 0;
    try{
      System.out.println("1");
      int c = (array[3] / b);
      System.out.println("2");
    catch(Exception ex){
      System.out.println(ex.toString());
         The details of the Exception object ex are too general to be
         useful. (*)
         An Exception will never occur.
         An ArithmeticException cannot be caught.
         An ArrayIndexOutOfBoundsException cannot be caught.
                           X Incorrect. Refer to Section 8 Lesson 3.
14. What is the output?
                                                                                 Mark for Review
                                                                                       (1) Points
    int[] array = {10, 20, 30};
    int b = 0;
    try{
      System.out.println("1");
      int c = (array[3] / b);
      System.out.println("2");
    catch(ArithmeticException ex){
      System.out.println("Arithmetic Exception");
    catch(ArrayIndexOutOfBoundsException ex){
      System.out.println("Array index out of bounds");
         Arithmetic Exception
         Array index out of bounds (*)
         Array index out of bounds
         1
         Array index out of bounds
                           Incorrect. Refer to Section 8 Lesson 3.
15. Which exception is thrown when an application attempts to use null
                                                                                 Mark for Review
    when an object is required?
                                                                                       (1) Points
```

	NullPoint	terException (*)	
	FileNotFo	oundException	
	C Arithmet	icException	
	ArrayInd	lexOutOfBoundsException	
1. The size of ar grow as need		X Incorrect. Refer to Section 8 Lesson 3.	
	Mark for Revie (1) Poin		
0	True (*)		
•	False		
		X Incorrect. Refer to Section 8 Lesson 2.	
<b>2.</b> A wr	apper class enca	apsulates, or wraps, the primitive types within an object.	Mark for Review (1) Points
0	True (*)		
•	False		
		X Incorrect. Refer to Section 8 Lesson 2.	
3. Which	ch is NOT a bene	efit of ArrayList class?	Mark for Review
			(1) Points
C	You can use an	ArrayList list to store Java primitive values (like int). (*)	
•		rinks as you remove elements.	
0	You can remove	e all of the elements of an ArrayList with a method.	
C	An ArrayList gro	ows as you add elements.	
		X Incorrect. Refer to Section 8 Lesson 2.	
<b>4.</b> Whic	ch loop type is s	pecially designed to traverse an array?	Mark for Review (1) Points
•	repeat loop		
0	do while loop		
0	for loop (*)		
0	while loop		
		X Incorrect. Refer to Section 8 Lesson 1.	
int[] arr[0	t is the output? arr = new int[1 0] = 10; em.out.println(a		Mark for Review (1) Points
•	1		
0	0		
C	10 (*)		

ArrayIndexOutOfBoundsException X Incorrect. Refer to Section 8 Lesson 1. 6. What is Mark for Review the (1) Points starting index of an array? It depends on the type of the array. 1 You can start with anything 0(\*)Incorrect. Refer to Section 8 Lesson 1. **7.** What is the output? Mark for Review int[] arr = new int[5]; for(int i=0; i<arr.length; i++){</pre> (1) Points arr[i] = i;for(int i=0; i<arr.length; i++) { System.out.print(arr[i]); 12345 012345 01234 (\*) 123 Incorrect. Refer to Section 8 Lesson 1. 8. What is an array? Mark for Review (1) Points An array is an indexed container that holds a set of values of a multiple types. An array is a Java primitive type. An array is a way to create multiple copies of a single value. An array is an indexed container that holds a set of values of a single type. (\*) Incorrect. Refer to Section 8 Lesson 1. **9.** Arrays are like variables which must be declared prior to use. Mark for Review (1) Points True (\*) **False** Incorrect. Refer to Section 8 Lesson 1. **10.** What is the output? Mark for Review (1) Points  $int[] array = {10, 20, 30};$ int b = 0; try{

```
int c = (array[3] / b);
            System.out.println("2");
          catch(ArithmeticException ex){
            System.out.println("Arithmetic Exception");
          catch(ArrayIndexOutOfBoundsException ex){
            System.out.println("Array index out of bounds");
          C
               Arithmetic Exception
               Array index out of bounds (*)
               Array index out of bounds
               1
          C
               2
               Array index out of bounds
                                 X Incorrect. Refer to Section 8 Lesson 3.
11. What
                    Mark for Review
    happens
                          (1) Points
    when you
    don't
    handle an
    exception?
                   The execution of the program is terminated abruptly. (*)
                   The program encounters error and simply ignores it.
                   A message is printed to the console to ask you how to handle the
                   All of the code after the error is skipped, but the program still runs.
                                     X Incorrect. Refer to Section 8 Lesson 3.
          12. If the try block succeeds then no exception has occurred.
                                                                                              Mark for Review
                                                                                                    (1) Points
                   True (*)
                   False
                                     X Incorrect. Refer to Section 8 Lesson 3.
          13. Which is not a compilation error?
                                                                                             Mark for Review
                                                                                                    (1) Points
                   int y;
                   y++; (*)
                   int x=2
                   x = (3 + 5;
                   y = 3 + * 5;
                                     Incorrect. Refer to Section 8 Lesson 4.
          14. Runtime errors can be caught by Java's exception handling mechanism.
                                                                                             Mark for Review
                                                                                                    (1) Points
```

System.out.println("1");

0	True (*)	
•	False	
	Incorrect. Refer to Section 8 Lesson 4.	
<b>15.</b> Tes	ing and debugging are important activities in software development.	Mark for Review (1) Points
C	True (*)	
$\odot$	False	
	X Incorrect. Refer to Section 8 Lesson 4.	