Module 5 Quiz

13/13 points (100.00%)

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Quiz, 13 q	uestio	ns	

/	Congratulations! You passed!	Next Item	
	1/1		
	point		
1. Of the	following which is the correct syntax to declare an array of 24 hoolean of	Naments named 2442	
Of the	following, which is the correct syntax to declare an array of 24 boolean e	elements named arr ?	
	boolean arr[] = new boolean;		
	boolean arr = new boolean[24];		
	boolean arr[24];		
	boolean[24] arr = new boolean[24];		
0	boolean[] arr = new boolean[24];		
Cour	oct.		
Corr	ect		
	1/1		
	point		
2.	the declaration of the 24 classest beckers away away above what is the in	dov of the last class out of	
the arr	the declaration of the 24 element boolean array arr above, what is the in ^r ay?	idex of the last element of	
	22		
	25		
	24		
0	23		

Correct

Java arrays use zero-based indexing, where the index of the first array element is zero.

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., questioi.	
	nted to initialize the boolean array arr so that all elements contain the value true , you could use ring: arr.fill(true);
О ТІ	RUE
O FA	ALSE
	bjects do not have many methods, and in particular they do not have a fill() method. Please the methods available in the Arrays class.
~	1/1 point
	class type require a two-phase initialization. One phase to create the array and another phase to e objects in the array.
O FA	ALSE
О ТІ	RUE
Correct Arrays	of class type only contain references to the actual objects.
~	1/1 point
	integer array named arr , the number of elements in the array can be determined by the method call: arr.length()
О ТІ	RUE

Correct

FALSE

Please review what methods are available in array objects and what data fields are available in them.

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6.

- An array cannot be sized dynamically when the program is running.
- An array can be sized dynamically, and it can be resized without allocating a new array.
- An array can be sized dynamically, but it cannot be resized without allocating a new array.

Correct

The size of an array is set at runtime but then it is fixed.



1/1 point

7

What is the value of the variable s after the following section of code executes?

```
1 int s = 0;
2 int [] a = {12, 23, 34, 45, 56};
3 for (int i=1; i<a.length; i++) {
4    s += a[i];
5  }
6</pre>
```

- 114
- 158

Correct

Carefully examine the for-loop and where it starts and stops.

- 0
- 170



1/1 point

8.

What type of collection would we use if we wanted no duplicates?

List



13/13 points (100.00%)

Correct

Queue



1/1 point

9.

Examine the following code:

```
1 ArrayList<String> list = new ArrayList<String>();
2
3  list.add("alpha");
4  list.add("bravo");
5  list.add("charlie");
6  list.add("delta");
7  list.add("echo");
8
```

Which of the following will replace the element "charlie" with "foxtrot"?

list.set("foxtrot","charlie");
iist.sett ioxtrot , triarile),



Correct

In this situation, we want to replace an element rather than add a new element. Review the methods of the ArrayList class in lecture 5.

lict[2]	= "fox	vtrot".
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list.set("charlie","foxtrot");

list.add("foxtrot", list.indexOf("charlie"));



1/1 point

10.

Examine the following code:

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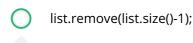
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```
Quiz, 13 questAmmayList<String> list = new ArrayList<String>();
2
3     list.add("alpha");
4     list.add("bravo");
5     list.add("charlie");
6     list.add("delta");
7     list.add("echo");
8
```

Which of the following will change the list so that it looks like:

```
1 alpha
2 bravo
3 charlie
4 delta
```

list.clear("echo	")
list.clear("echo	•



Correct

In this case we want to delete an element from the ArrayList. There are several ways to do it. Review the methods available in the class.

list.empty("echo");

list.remove(list.size());
list.remove(list.size())

list.remove(5);



1/1 point

11.

Examine the following code:

```
1  ArrayList<String> list = new ArrayList<String>();
2
3  list.add("alpha");
4  list.add("bravo");
5  list.add("charlie");
6  list.add("delta");
7  list.add("echo");
8
9  for (______ name : ______ ) {
10   out.println(_____ );
11  }
12
```

Fill in the blanks so that all the elements in the ArrayList are printed.



Modufier of Quiz Quiz, 13 Please review the syntax of the foreach loop in lecture 3

13/13 points (100.00%)

	1 iterator() hasNext() next()
	1 String iterator() next()
	1 int String name
	1 String list next()
~	1/1 point
12. A Hash	Map can map keys of any type to values of any type.
0	FALSE
	ect containers in the Java Collections Framework only store data that are object types. Primitive data requires the usage of a wrapper class instead.
	TRUE
~	1 / 1 point
13. Which	of the following is <i>not</i> a feature/advantage of a HashMap?
O	HashMaps keep their keys in sorted order.
Corr	ect
	HashMaps have fast insert.

HashMaps can use any object type as a key.

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Quiz, 13 question ashMaps have fast lookup.

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