## <u>Dashboard</u> / My courses / <u>CS102 2024 1</u> / <u>General</u> / <u>Array (New)</u>

C	
	Tuesday, 12 March 2024, 9:18 AM
	Finished
	Tuesday, 12 March 2024, 9:22 AM
	4 mins 36 secs 8.00 out of 10.00 (80%)
Grade	6.00 Out 01 10.00 (60 %)
Question 1	
Incorrect	
Mark 0.00 out of 1.00	
What is the default i	nitial capacity of an ArrayList in Java?
a. 0	×
O b. 10	
O c. 32	
O d. 16	
Your answer is incor	rect.
The correct answer is	S:
The correct answer is	S:
10 Question <b>2</b>	S:
10 Question 2 Correct	S:
10 Question <b>2</b>	S:
Question <b>2</b> Correct Mark 1.00 out of 1.00	ng methods can be used to add an element to the end of an ArrayList in Java?
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Question <b>2</b> Correct Mark 1.00 out of 1.00  Which of the followi	ng methods can be used to add an element to the end of an ArrayList in Java?
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Question <b>2</b> Correct Mark 1.00 out of 1.00  Which of the following a. addLast(E election b. addFirst(E election b.	ng methods can be used to add an element to the end of an ArrayList in Java?  ment)  ement)
Question <b>2</b> Correct Mark 1.00 out of 1.00  Which of the followi  a. addLast(E election b. addFirst(E election c) add(E elements)	ng methods can be used to add an element to the end of an ArrayList in Java?  ment)  ement)  t)  £ element)
Question <b>2</b> Correct Mark 1.00 out of 1.00  Which of the followi  a. addLast(E election b. addFirst(E election c. add(E element) d. add(int index)	ng methods can be used to add an element to the end of an ArrayList in Java?  ment)  ement)  t)  Ct.

Question <b>3</b>
Incorrect
Mark 0.00 out of 1.00
How do you remove an element from an ArrayList at a specific index in Java?
a. removeAll(Collection c)
TemoveAn(Conection c)
b. remove(int index)
C. removeElement(E element)
O d. The co
d. removeFirst()
Your answer is incorrect.
The correct answer is:
removeElement(E element)
Question 4
Correct
Mark 1.00 out of 1.00
What is the difference between the get() and set() methods in ArrayList?
$^{\circ}$ a. The get() method retrieves an element, while the set() method adds an element.
○ b
b. The get() method adds an element, while the set() method retrieves an element
C. The get() method replaces an element, while the set() method retrieves an element.
The get() method replaces an element, while the set() method retrieves an element.
d. The get() method retrieves an element, while the set() method replaces an element.
The getty method redieves an element, while the setty method replaces an element.
Your answer is correct.
The correct answer is:
The get() method retrieves an element, while the set() method replaces an element.
- 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5

Question <b>5</b>	
Correct	
Mark 1.00 out of 1.00	
What is the default initial capacity of an ArrayList in Java?	
a. An exception is thrown.	
b. The element is added at a random position in the ArrayList.	
The element is added at a random position in the Arraytist.	
C. The ArrayList automatically increases its capacity.	
d. The element is added to the end of the ArrayList.	
Value and the same of	
Your answer is correct.	
The correct answer is: The ArrayList automatically increases its capacity.	
Question <b>6</b>	
Correct  Mark 1.00 out of 1.00	
Mark 1.00 out of 1.00	
Which of the following methods is used to sort an ArrayList in Java?	
a. mergeSort()	
b. sort()	
C. quickSort()	
O d	
d. bubbleSort()	
○ d. bubbleSort()	
○ d. bubbleSort()	
Your answer is correct.	
Your answer is correct. The correct answer is:	
Your answer is correct.	
Your answer is correct. The correct answer is:	

Question <b>7</b>
Correct Mark 1.00 out of 1.00
Can an ArrayList contain null elements in Java?
a. It depends on the implementation.
it depends on the implementation.
○ b. No, it cannot.
No, it cannot.
© C. Yes, it can.
d. It depends on the size of the ArrayList.
Your answer is correct. The correct answer is:
The correct answer is:
Yes, it can.
Question <b>8</b> Correct
Correct
Correct
Correct Mark 1.00 out of 1.00
Correct Mark 1.00 out of 1.00  What is the time complexity of adding an element to the end of an ArrayList in Java?  • a. O(1)
Correct  Mark 1.00 out of 1.00  What is the time complexity of adding an element to the end of an ArrayList in Java?  a. O(1) b. O
Correct  Mark 1.00 out of 1.00  What is the time complexity of adding an element to the end of an ArrayList in Java?  a. O(1) b. O  c. O(log n)
Correct  Mark 1.00 out of 1.00  What is the time complexity of adding an element to the end of an ArrayList in Java?  a. O(1) b. O
Correct  Mark 1.00 out of 1.00  What is the time complexity of adding an element to the end of an ArrayList in Java?  a. O(1) b. O  c. O(log n)
Correct Mark 1.00 out of 1.00  What is the time complexity of adding an element to the end of an ArrayList in Java?  a. O(1) b. O  c. O(log n) d. O(n log n)  Your answer is correct.
Correct Mark 1.00 out of 1.00  What is the time complexity of adding an element to the end of an ArrayList in Java?  a. O(1) b. O  c. O(log n) d. O(n log n)
Correct Mark 1.00 out of 1.00  What is the time complexity of adding an element to the end of an ArrayList in Java?  a. O(1) b. O  c. O(log n) d. O(n log n)  Your answer is correct.
Correct Mark 1.00 out of 1.00  What is the time complexity of adding an element to the end of an ArrayList in Java?  a. O(1) b. O  c. O(log n) d. O(n log n)  Your answer is correct.
Correct Mark 1.00 out of 1.00  What is the time complexity of adding an element to the end of an ArrayList in Java?  a. O(1) b. O  c. O(log n) d. O(n log n)  Your answer is correct. The correct answer is:

Question <b>9</b>	
Correct	
Mark 1.00 out of 1.00	
Which of the following methods is used to remove all elements from an ArrayList in Java?	
a. deleteAll()	
b. clear()	✓
C. removeAll()	
O d. remove()	
Your answer is correct.	
The correct answer is:	
The correct answer is.	
clear()	
Question 10 Correct	
Mark 1.00 out of 1.00	
THAIR THO GOLD THOSE	
Which of the following statements is true about ArrayList in Java?	
a. ArrayList is a resizable array implementation.	<b>~</b>
b. ArrayList does not allow duplicate elements.	
C. ArrayList can only store primitive data types.	
od. ArrayList is a synchronized class.	
Your answer is correct.	
The correct answer is:	
ArrayList is a resizable array implementation.	
Анауыя із а гезідаріе аттау ітпріетіентаціон.	
Jump to	
	Basic (New) ►