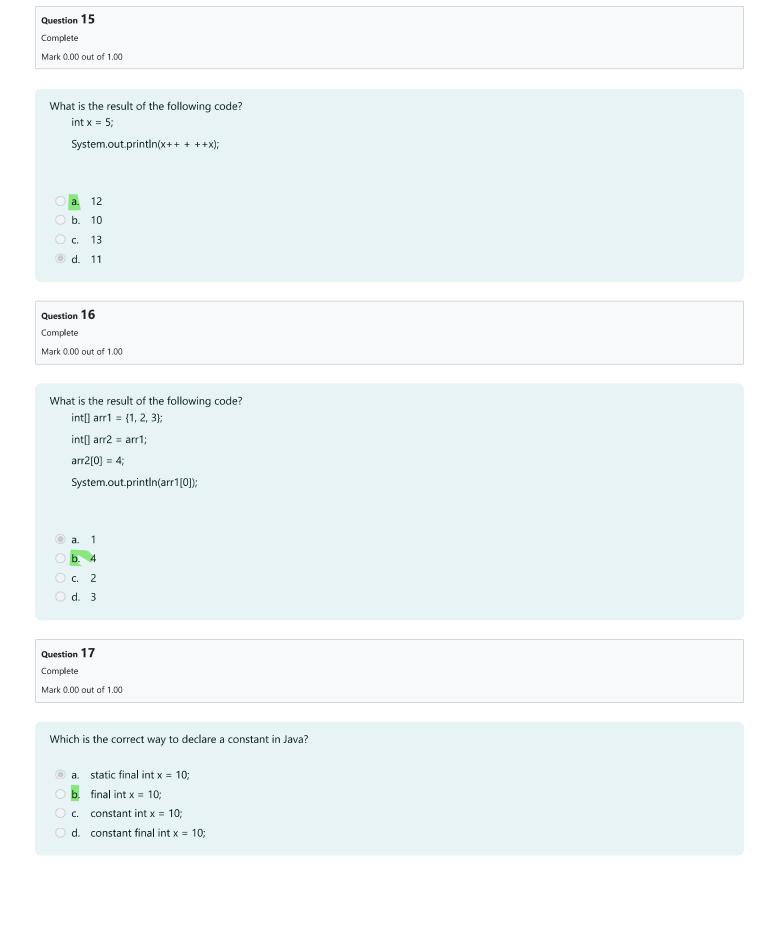
Started on	Wednesday, 19 March 2025, 11:53 AM
State	Finished
Completed on	Wednesday, 19 March 2025, 11:58 AM
Time taken	4 mins 57 secs
Marks	13.00/20.00
Grade	<b>65.00</b> out of 100.00
Question 1	
Complete	
Mark 1.00 out of 1.00	
How do you access th	ne third element in an array in Java?
,	
a. myArray[3]	
b. myArray(2)	
c. myArray(3)	
d. myArray[2]	
////a/[2]	
Question 2	
Complete	
Mark 1.00 out of 1.00	
How do you break ou	it of a loop in Java?
a. stop	
Ob. exit	
c. break	
O d. end	
3	
Question 3	
Complete	
Mark 1.00 out of 1.00	
How do you find the	length of an array in Java?
a. length(myAr	ray)
ob. myArray.leng	gth()
c. myArray.leng	yth
d. myArray.size	
, ,	

Question 4 Complete Mark 0.00 out of 1.00
In a directed graph, what is a cycle called where all vertices are distinct?
<ul> <li>a. Simple cycle</li> <li>b. Eulerian cycle</li> <li>c. Hamiltonian cycle</li> <li>d. Bipartite cycle</li> </ul>
Question 5 Complete Mark 1.00 out of 1.00
In Java, which of the following is the most efficient data structure for retrieving data in constant time (on average)?
○ a. TreeMap
○ b. LinkedList
○ c. PriorityQueue
⊚ d. HashMap
Question 6
Complete
Complete
Complete Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?
Complete Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?  a. 0
Complete Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?  a. 0 b. false
Complete Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?  a. 0
Complete Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?  a. 0 b. false c. Depends on the data type
Complete  Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?  a. 0 b. false c. Depends on the data type d. null
Complete  Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?  a. 0 b. false c. Depends on the data type d. null  Question 7
Complete  Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?  a. 0 b. false c. Depends on the data type d. null  Question 7  Complete
Complete  Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?  a. 0 b. false c. Depends on the data type d. null  Question 7
Complete  Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?  a. 0 b. false c. Depends on the data type d. null  Question 7  Complete
Complete Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?  a. 0 b. false c. Depends on the data type d. null  Question 7 Complete Mark 1.00 out of 1.00  What is the main advantage of using a Doubly Linked List over a Singly Linked List?
Complete  Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?  a. 0 b. false c. Depends on the data type null  Question 7  Complete  Mark 1.00 out of 1.00
Complete Mark 0.00 out of 1.00  What is the default value of an instance variable in Java?  a. 0 b. false c. Depends on the data type d. null  Question 7 Complete Mark 1.00 out of 1.00  What is the main advantage of using a Doubly Linked List over a Singly Linked List?  a. It is easier to implement

```
Question 8
Complete
Mark 1.00 out of 1.00
 What is the output of the following code?
      for (int i = 0; i < 5; i++) {
        if (i == 2) {
          continue;
        }
        System.out.print(i + " ");
      }
  a. 013
  b. 0134
  o. 0124
  Od. 01234
Question 9
Complete
Mark 1.00 out of 1.00
 What is the primary difference between a LinkedList and an ArrayList in Java?
  O a. ArrayList stores objects, while LinkedList only stores primitive data types
  O b. LinkedList uses a singly linked list, while ArrayList uses a static array
  oc. LinkedList uses a dynamic array, while ArrayList uses a doubly linked list
  od. LinkedList uses nodes and pointers, while ArrayList uses an array
Question 10
Complete
Mark 1.00 out of 1.00
 What is the purpose of the `continue` statement in Java?
  a. Ends the loop
  Ob. Restarts the loop from the beginning
  o c. Skips the rest of the code in the loop and starts the next iteration
  Od. None of the above
Question 11
Complete
Mark 0.00 out of 1.00
 What is the purpose of the `new` keyword in Java?
  a. All of the above
  Ob. To allocate memory for an object
  oc. To create a new instance of a class
```

d. To initialize an array

Question 12
Complete
Mark 1.00 out of 1.00
Mark 1.00 Out of 1.00
What is the result of 5 / 2 in Java?
○ a. 2.5
O b. 2.0
<ul><li> c. 2</li></ul>
○ d. Error
Question 13
Complete
Mark 1.00 out of 1.00
What is the result of the following code?
int[] myArray = {1, 2, 3};
myArray[1] = 4;
System.out.println(myArray[1]);
<ul><li>a. 4</li></ul>
O b. 1
○ c. 3
○ d. 2
0
Question 14
Complete
Complete
Complete  Mark 0.00 out of 1.00
Complete  Mark 0.00 out of 1.00  What is the result of the following code?
Complete  Mark 0.00 out of 1.00
Complete  Mark 0.00 out of 1.00  What is the result of the following code?  String str = "Hello";
Complete  Mark 0.00 out of 1.00  What is the result of the following code?  String str = "Hello";  str.concat(", World!");
Complete  Mark 0.00 out of 1.00  What is the result of the following code?  String str = "Hello";
Complete  Mark 0.00 out of 1.00  What is the result of the following code?  String str = "Hello";  str.concat(", World!");  System.out.println(str);
Complete  Mark 0.00 out of 1.00  What is the result of the following code?  String str = "Hello";  str.concat(", World!");
Complete  Mark 0.00 out of 1.00  What is the result of the following code?  String str = "Hello";  str.concat(", World!");  System.out.println(str);  a. Hello, World!
Complete  Mark 0.00 out of 1.00  What is the result of the following code?  String str = "Hello";  str.concat(", World!");  System.out.println(str);  a. Hello, World!  b. , World!
Complete  Mark 0.00 out of 1.00  What is the result of the following code?  String str = "Hello";  str.concat(", World!");  System.out.println(str);  a. Hello, World!



Question 18		
Complete		
Mark 1.00 out of 1.00		
Mark 1.00 Out of 1.00		
Which of the following data structures is used to implement recursion in Java?		
○ a. Linked List		
○ b. Queue		
○ c. Array		
◎ d. Stack		
Question 19		
Complete		
Mark 1.00 out of 1.00		
Which of the following operations is not possible on a stack?		
a. Enqueue		
O b. Push		
○ c. Peek		
○ d. Pop		
Question 20		
Complete		
Mark 1.00 out of 1.00		
Which of the following tree traversal methods gives nodes in non-decreasing order in a Binary Search Tree (BST)?		
○ a. Post-order		
b. In-order		
○ c. Pre-order		
○ d. Level-order		