Started on	Wednesday, 19 March 2025, 2:33 PM
State	Finished
Completed on	Wednesday, 19 March 2025, 2:41 PM
Time taken	8 mins 45 secs
Marks	18.00/20.00
Grade	90.00 out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

What is the result of the following code?
String str = "Hello";
str.concat(", World!");
System.out.println(str);

- a. Hello
- Ob. Runtime Error
- c., World!
- d. Hello, World!

Question 2

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 + " ");
}</pre>
```

- a. 0134
- b. 0124
- o. 01234
- Od. 013

Question 3			
Complete	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.	Faster deletion		
O b.	Doubly Linked List requires less memory		
○ c.	It is easier to implement		
d.	Traversal in both directions is possible		
Question 4			
Complete			
Mark 1.00 c	ut of 1.00		
How do	you access the third element in an array in Java?		
a.	myArray[2]		
	myArray(3)		
O c.	myArray(2)		
O d.	myArray[3]		
Question 5			
Complete			
Mark 0.00 c	ut of 1.00		
Which i	s the correct way to declare a constant in Java?		
О а.	final int $x = 10$;		
	constant final int $x = 10$;		
C.	static final int $x = 10$;		
O d.	constant int $x = 10$;		
Question 6			
Complete			
Mark 1.00 c	ut of 1.00		
Which o	of the following tree traversal methods gives nodes in non-decreasing order in a Binary Search Tree (BST)?		
○ a.	Pre-order		
b.	In-order		
O c.	Post-order Post-order		
O d.	Level-order		

Question 7
Complete
Mark 1.00 out of 1.00
Which of the following data structures is used to implement recursion in Java?
which of the following data structures is used to implement recursion in Java:
○ a. Array
○ b. Linked List
⊚ c. Stack
O d. Queue
Question 8
Complete
Mark 1.00 out of 1.00
What had a see to full of the hand 2
What is the result of the following code? int[] arr1 = {1, 2, 3};
int[] arr2 = arr1;
arr2[0] = 4;
System.out.println(arr1[0]);
○ a. 1
○ b. 2
○ c. 4
O d. 3
Question 9
Complete
Mark 1.00 out of 1.00
How do you break out of a loop in Java?
a. stop
O b. exit
© c. break
O d. end
Question 10
Complete
Mark 0.00 out of 1.00
What is the primary difference between a LinkedList and an ArrayList in Java?
a. LinkedList uses a dynamic array, while ArrayList uses a doubly linked list

 $\ \bigcirc$ d. LinkedList uses nodes and pointers, while ArrayList uses an array

Question 11				
Question 1				
Complete				
Mark 1.00 out of 1.00				
What is the purpose of the `continue` statement in Java?				
 a. Skips the rest of the code in the loop and starts the next iteration 				
O b. Ends the loop				
○ c. None of the above				
O d. Restarts the loop from the beginning				
Question 12				
Complete				
Mark 1.00 out of 1.00				
Which of the fallowing apparations is not possible on a steel?				
Which of the following operations is not possible on a stack?				
O a. Push				
○ b. Peek				
○ c. Pop				
d. Enqueue				
Question 13				
Complete				
Mark 1.00 out of 1.00				
What is the default value of an instance variable in Java?				
What is the default value of an instance variable in Java?				
What is the default value of an instance variable in Java?				
 a. 0 b. Depends on the data type c. false 				
a. 0b. Depends on the data type				
 a. 0 b. Depends on the data type c. false 				
 a. 0 b. Depends on the data type c. false d. null 				
 a. 0 b. Depends on the data type c. false 				
 a. 0 b. Depends on the data type c. false d. null Question 14				
a. 0 b. Depends on the data type c. false d. null Question 14 Complete				
 a. 0 b. Depends on the data type c. false d. null Question 14 Complete Mark 1.00 out of 1.00				
a. 0 b. Depends on the data type c. false d. null Question 14 Complete				
 a. 0 b. Depends on the data type c. false d. null Question 14 Complete Mark 1.00 out of 1.00				
 a. 0 b. Depends on the data type c. false d. null Question 14 Complete Mark 1.00 out of 1.00 What is the result of 5 / 2 in Java?				
 a. 0 b. Depends on the data type c. false d. null Question 14 Complete Mark 1.00 out of 1.00 What is the result of 5 / 2 in Java? a. 2.5 				
 a. 0 b. Depends on the data type c. false d. null Question 14 Complete Mark 1.00 out of 1.00 What is the result of 5 / 2 in Java? a. 2.5 b. 2 				

Complete
Mark 1.00 out of 1.00
What is the result of the following code? int x = 5;
System.out.println(x++ + ++x);
a. 11b. 13
© c. 12
O d. 10
Question 16
Complete
Mark 1.00 out of 1.00
In a directed graph, what is a cycle called where all vertices are distinct?
a. Eulerian cycle b. Llargitaging gods
b. Hamiltonian cyclec. Bipartite cycle
d. Simple cycle
Question 17
Question 17 Complete
Question 17 Complete Mark 1.00 out of 1.00
Complete
Complete Mark 1.00 out of 1.00
Complete
Complete Mark 1.00 out of 1.00 How do you find the length of an array in Java? a. myArray.length()
Complete Mark 1.00 out of 1.00 How do you find the length of an array in Java? a. myArray.length() b. myArray.size()
Complete Mark 1.00 out of 1.00 How do you find the length of an array in Java? a. myArray.length() b. myArray.size() c. length(myArray)
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Complete Mark 1.00 out of 1.00 How do you find the length of an array in Java? a. myArray.length() b. myArray.size() c. length(myArray) d. myArray.length Question 18 Complete Mark 1.00 out of 1.00 What is the purpose of the `new` keyword in Java? a. To allocate memory for an object

9/25, 2:44 PM	Java_Quiz_19-03-25: Attempt review	
Question 19		
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]);		
O a. 1		
O b. 3		
© c. 4		
O d. 2		
Question 20		
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. HashMap
- oc. PriorityQueue
- od. LinkedList