Started on	Wednesday, 19 March 2025, 2:32 PM	
State	Finished	
Completed on	Wednesday, 19 March 2025, 2:42 PM	
Time taken	9 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 int[] myArray = {1, 2,		
myArray[1] = 4;		
System.out.println(my	/Array[1]):	
System.out.printin(in)	, " (dy[·]),	
○ a. 3		
○ b. 1		
© c. 4		
O d. 2		
Question 2		
Complete		
Mark 1.00 out of 1.00		
Wark 1.00 out 01 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]		
Question 3		
Complete		
Mark 1.00 out of 1.00		
Which of the following	g tree traversal methods gives nodes in non-decreasing order in a Binary Search Tree (BST)?	
a. Level-order		
b. Post-order		
c. In-order		
d. Pre-order		

Question 4			
Complete			
Mark 1.00 out of 1.00			
In a directed graph, what is a cycle called where all vertices are distinct?			
in a directed graph, what is a cycle caned where an vertices are distinct:			
a. Bipartite cycle			
b. Hamiltonian cycle			
C. Eulerian cycle			
○ d. Simple cycle			
_			
Question 5			
Complete Mark 0.00 page 41.00			
Mark 0.00 out of 1.00			
Which is the correct way to declare a constant in Java?			
a. static final int x = 10;			
b. final int x = 10;c. constant int y = 10;			
c. constant int x = 10;			
\bigcirc d. constant final int x = 10;			
Question 6			
Complete			
Mark 0.00 out of 1.00			
What is the result of the following code?			
int[] arr1 = {1, 2, 3};			
int[] arr2 = arr1;			
arr2[0] = 4;			
System.out.println(arr1[0]);			
5,550188d.pd(a(a			
O a. 2			
○ b. 3			
O c. 4			
_			
Question 7			
Complete			
Mark 1.00 out of 1.00			
What is the purpose of the `new` keyword in Java?			
a. To create a new instance of a class			
b. To allocate memory for an object			
c. All of the aboved. To initialize an array			
₩ Q. TO INITIALIZE AN ATTAV			

19/25, 2:44	PM Java_Quiz_19-03-25: Attempt review
Question	12
Complete	
Mark 1.00	out of 1.00
What is	s the main advantage of using a Doubly Linked List over a Singly Linked List?
a.	Traversal in both directions is possible
O b.	Doubly Linked List requires less memory
O c.	Faster deletion
O d.	It is easier to implement
Question	13
Complete	
Mark 1.00	out of 1.00
What is	s the purpose of the `continue` statement in Java?
○ a.	Ends the loop
b.	Skips the rest of the code in the loop and starts the next iteration
○ c.	Restarts the loop from the beginning
d.	None of the above
Question	14
Complete	
Mark 1.00	out of 1.00
Which	of the following data structures is used to implement recursion in Java?
О а.	Array
	Stack
	Queue

d. Linked List

```
Question 15
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. 0124
c. 01234
d. 0.134
```

Question 16

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, World!

b. Runtime Error

c. , World!

Question 17

Complete

Mark 1.00 out of 1.00

d. Hello

What is the default value of an instance variable in Java?

- a. false
- Ob. null
- o c. Depends on the data type
- O d. 0

19/25, 2:44 PM	Java_Quiz_19-03-25: Attempt review
Question 18	
Complete	
Mark 1.00 out of 1.00	
In Java, which of the following is the most effic	cient data structure for retrieving data in constant time (on average)?
a. HashMap	
Ob. PriorityQueue	
○ c. TreeMap	
Od. LinkedList	
Question 19	
Complete	
Mark 1.00 out of 1.00	
How do you find the length of an array in Java	?
a. length(myArray)	
b. myArray.length()	
c. myArray.size()	
d. myArray.length	
Question 20	
Complete	
Mark 1.00 out of 1.00	
What is the primary difference between a Link	edList and an ArrayList in Java?
 a. LinkedList uses nodes and pointers, w 	hile ArrayList uses an array

- \bigcirc 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
- $\, \bigcirc \,$ d. ArrayList stores objects, while LinkedList only stores primitive data types