Started on	Wednesday, 19 March 2025, 2:33 PM
State	Finished
Completed on	Wednesday, 19 March 2025, 2:40 PM
Time taken	7 mins 29 secs
Marks	16.00/20.00
Grade	80.00 out of 100.00
Question 1	
Complete	
Mark 1.00 out of 1.00	
Which of the following	ng operations is not possible on a stack?
a. Peek	
O b. Pop	
c. Enqueue	
d. Push	
Question 2	
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. HashMap	
b. LinkedList	
c. PriorityQueu	
d. TreeMap	
о асоар	
Question 3	
Complete	
Mark 1.00 out of 1.00	
How do you break ou	ut of a loop in Java?
,	
a. end	
Ob. exit	
C. stop	
d. break	

9/25, 2:48 PM	Java_Quiz_19-03-25: Attempt review
Question 4	
Complete	
Mark 0.00 out of 1.00	
Which is the correct way to declare a constant in Java?	
a. static final int x = 10;	
\bigcirc b. final int x = 10;	
\circ c. constant final int x = 10;	
\bigcirc d. constant int x = 10;	
Question 5 Complete	
Mark 1.00 out of 1.00	
Which of the following data structures is used to implement recu a. Linked List b. Queue c. Stack d. Array	rsion in Java?
Question 6	
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. Runtime Error	
O b. Hello	
o c. Hello, World!	
od., World!	

725, 2:48 PM	Java_Quiz_19-03-25: Attempt review
Question 7	
Complete	
Mark 0.00 out of 1.00	
Miles in the consult of the fall actions and 2	
What is the result of the following code? int[] myArray = {1, 2, 3};	
myArray[1] = 4;	
System.out.println(myArray[1]);	
○ a. 1	
○ b. 3	
© c. 2	
○ d. 4	
G G.	
Question 8	
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. 10	
O c. 11	
O d. 13	
_	
Question 9	
Complete Mark 1.00 out of 1.00	
VIAIR 1.00 OUL OF 1.00	
Which of the following tree traversal methods gives nodes in nor	n-decreasing order in a Binary Search Tree (BST)?
a la auder	
a. In-order	
b. Level-order	
c. Post-order	
○ d. Pre-order	

Question 1	0
Complete	. (400
Mark 1.00 o	ut of 1.00
	the result of the following code?
int[] arr	I = {1, 2, 3};
int[] arr	2 = arr1;
arr2[0] :	= 4;
System.	put.println(arr1[0]);
a.	4
b.	3
○ c.	2
O d.	1
Question 1	I and the second
Complete Mark 1.00 o	of 100
Mark 1.00 0	
What is	the main advantage of using a Doubly Linked List over a Singly Linked List?
○ a.	It is easier to implement
	Faster deletion
© c.	Traversal in both directions is possible
0 d.	Doubly Linked List requires less memory
Question 1	2
Complete Mark 1.00 o	ut of 1.00
171411 1.00 0	
What is	the purpose of the `new` keyword in Java?
	All of the above
O b.	To allocate memory for an object
O c.	To create a new instance of a class
○ a.	To initialize an array
Question 1 Complete	3
Mark 1.00 o	ut of 1.00
Wark 1.00 0	
In a dire	cted graph, what is a cycle called where all vertices are distinct?
a.	Eulerian cycle
b.	Bipartite cycle
© c.	Hamiltonian cycle
	Simple cycle

Question 14

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. 01234
- b. 0124
- o. 013
- d. 0134

Question 15

Complete

Mark 1.00 out of 1.00

What is the result of 5 / 2 in Java?

- a. 2.0
- b. 2
- oc. Error
- Od. 2.5

Question 16

Complete

Mark 1.00 out of 1.00

What is the purpose of the `continue` statement in Java?

- a. Restarts the loop from the beginning
- ob. Ends the loop
- oc. Skips the rest of the code in the loop and starts the next iteration
- d. None of the above

Question 17
Complete
Mark 1.00 out of 1.00
How do you find the length of an array in Java?
a. myArray.size()
b. myArray.length
c. myArray.length()
Od. length(myArray)
Question 18 Complete
Mark 1.00 out of 1.00
What is the default value of an instance variable in Java?
○ a. false
○ b. null
○ c. 0
d. Depends on the data type
Question 19
Complete
Complete
Complete Mark 1.00 out of 1.00
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