

Dashboard

Java\_Quiz\_19-03-25: Attempt n° X

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10.11.1.19/tessellator50/mod/quiz/review.php?attempt=206308&cmid=16292

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Java\_Quiz\_19-03-25

Started on Wednesday, 19 March 2025, 2:32 PM

State Finished

Completed on Wednesday, 19 March 2025, 2:39 PM

Time taken 6 mins 31 secs

Marks 20.00/20.00

Grade 100.00 out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

Flag question

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

☐ a. Restarts the loop from the beginning

☐ b. Ends the loop

☐ c. None of the above

☒ d. Skips the rest of the code in the loop and starts the next iteration

Question 2

Complete

Mark 1.00 out of 1.00

Flag question

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

☐ b. LinkedList uses a singly linked list, while ArrayList uses a static array

☐ c. ArrayList stores objects, while LinkedList only stores primitive data types

☒ d. LinkedList uses nodes and pointers, while ArrayList uses an array

Question 3

Complete

Mark 1.00 out of 1.00

Flag question

Which of the following tree traversal methods gives nodes in non-decreasing order in a Binary Search Tree (BST)?

☐ a. Level-order

☐ b. Post-order

☐ c. Pre-order

☒ d. In-order

Question 4

Complete

Mark 1.00 out of 1.00

Flag question

In Java, which of the following is the most efficient data structure for retrieving data in constant time (on average)?

☐ a. PriorityQueue

☒ b. HashMap

☐ c. TreeMap

☐ d. LinkedList

Question 5

Complete

Mark 1.00 out of 1.00

Flag question

What is the result of 5 / 2 in Java?

☐ a. 2.0

☒ b. 2

☐ c. Error

☐ d. 2.5

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Question 6

Complete

Mark 1.00 out of 1.00

Flag question

How do you access the third element in an array in Java?

☐ a. myArray(3)

☐ b. myArray[3]

☒ c. myArray[2]

☐ d. myArray(2)

Question 7

Complete

Mark 1.00 out of 1.00

Flag question

Which of the following data structures is used to implement recursion in Java?

☐ a. Array

☒ b. Stack

☐ c. Queue

☐ d. Linked List

Question 8

Complete

Mark 1.00 out of 1.00

Flag question

What is the output of the following code?

```
for (int i = 0; i < 5; i++) {  
    if (i == 2) {  
        continue;  
    }  
    System.out.print(i + " ");  
}
```

☐ a. 0 1 2 4

☐ b. 0 1 3

☒ c. 0 1 3 4

☐ d. 0 1 2 3 4

Question 9

Complete

Mark 1.00 out of 1.00

Flag question

What is the result of the following code?

```
String str = "Hello";  
str.concat(", World!");  
System.out.println(str);
```

☐ a. Hello, World!

☐ b. HelloWorld

☒ c. Hello,World!

☐ d. HelloWorld!

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Question 8

Complete

Mark 1.00 out of 1.00

Flag question

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}
```

☐ a. 0 1 2 4

☐ b. 0 1 3

☒ c. 0 1 3 4

☐ d. 0 1 2 3 4

Question 9

Complete

Mark 1.00 out of 1.00

Flag question

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Question 16  
Complete  
Mark 1.00 out of 1.00  
[Flag question](#)

What is the result of the following code?

```
int[] myArray = {1, 2, 3};  
myArray[1] = 4;  
System.out.println(myArray[1]);
```

a. 4

b. 1

c. 3

d. 2

Question 17  
Complete  
Mark 1.00 out of 1.00  
[Flag question](#)

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

a. 0

b. Depends on the data type

c. false

d. null

Question 18  
Complete

What is the main advantage of using a Doubly Linked List over a Singly Linked List?

a. Doubly Linked List requires less memory

b. Traversal in both directions is possible

c. Faster deletion

d. It is easier to implement

Question 19  
Complete  
Mark 1.00 out of 1.00  
[Flag question](#)

What is the purpose of the 'new' keyword in Java?

a. To allocate memory for an object

b. To create a new instance of a class

c. All of the above

d. To initialize an array

Question 20  
Complete  
Mark 1.00 out of 1.00  
[Flag question](#)

How do you find the length of an array in Java?

a. length(myArray)

b. myArray.length()

c. myArray.size()

d. myArray.length