Java Data Structures Quiz - Questions & Answers

1. Which of the following statements will initialize an array correctly?

- int[] positiveNumber = {1,2,3,4,5};

- int[] positiveNumber = new int[]{1,2,3,4,5};

2. Which of the following is not a method of the ArrayList class?

- append()

3. Which method is used to add an element to an ArrayList in Java?

- add()

4. What are the advantages of using an ArrayList over an array?

- ArrayList is easier to use than an array

- ArrayLists can only store objects, not primitive types

- The size of an ArrayList is dynamic

5. True or false: In a linked list, the size of the list must be specified at the time of creation.

- False

6. Which of the following is not a queue operation?

- pop

7. True or false: In a queue, new elements are always added to the rear (end) of the structure.

- True

8. In a queue data structure, what does the dequeue operation do?

- Removes the element at the front of the queue

9. Given the array declaration int[] arr = new int[5];, which of the following is the correct way to populate the array?

- import java.util.Arrays;

  Arrays.fill(arr, 10);

10. As a Java developer, you need to implement an Undo feature in a text editor. Which of the following data structures would be most suitable for this purpose?

- stack