

## Unit 09\_010 – .readLine() Revisited (Part 1)

*Video Length : 9:00*

1. What does the .trim() method do?
2. The following snippet of code counts the number of lines in a file. There are two blanks. Fill in the blanks in the code.

```
int count = \rule{20mm}{0.15mm};
while(input.hasNextLine()){
    String line = input.nextLine();
    \rule{20mm}{0.15mm}
}
```

## Unit 09\_010 – .readLine() Revisited (Part 2)

*Video Length : 25:27*

3. The term "regex" is short for \_\_\_\_\_
4. What is the problem with using a comma as a field separator?
5. What does the String[] indicate?
6. What does the split() method return?
7. Assume there is an array of Strings called "tokens." It was generated by the following statement. Write a for loop that prints each of the tokens in the array.

```
String[] tokens = line.split(",");
```

8. True or False: Split always returns one item in the array, even if the line is empty.

9. Explain how to determine if a line is empty.

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10. What data type does the `.split()` method return?

## Unit 09\_020 – Wrapper Classes

*Video Length 12:15*

11. What is a Wrapper Class?

12. Where are the two purposes that Wrapper Classes serve?

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13. Write the Wrapper type for each of the following primitive types

- boolean
- char
- byte
- short
- int
- long

- float
- double

14. What does "depricated" mean when it appears in the Java API?
15. In Java 17, can you instantiate objects of Wrapper classes using the new operator? Should you? Explain your answer.
16. Look at the following two lines of code. The video demonstrated that the first line did not work because we needed to make 7 into a double literal as 7.0. Fire up Idea. Does the declaration of the Long work? Fix the literal so that it does work.

```
Double x = 7; //An error because 7 is an integer literal, not a double literal
Long big = 1234 ; //what does it take to make this work?
```

## Unit 09\_030 – Integer Wrapper

*Video Length :*

## Unit 09\_040 – Double Wrapper

*Video Length :*

## Unit 09\_050 – Declaring Arrays

*Video Length :*

## Unit 09\_060 – Returning Arrays from Methods

*Video Length :*

## **Unit 09\_070 – Call by Value**

*Video Length :*

## **Unit 09\_080 – Arrays as Parameters**

*Video Length :*

## **Unit 09\_090 – Common Task: Print an Array**

*Video Length :*

## **Unit 09\_100 – Common Task: Filling an Array**

*Video Length :*

## **Unit 09\_110 – Common Task: Read from File into Array**

*Video Length :*

## **Unit 09\_120 – Common Task: Sum an Array and Find the Average**

*Video Length :*

## **Unit 09\_010 –**

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