

# Java Basics Lesson 5

Get started with Java

# Agenda

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01 Arrays Initializers and Anonymous Arrays

02 “for each” loop

03 Array Copying

04 Array Sorting

05 Multidimensional Array

06 Ragged Array



# Array copying

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O1 `int[] smallPrimes = {2, 3, 5, 7};`

O2 `new int[] {17, 19, 23}`



“for each” loop



for (variable : collection) statement

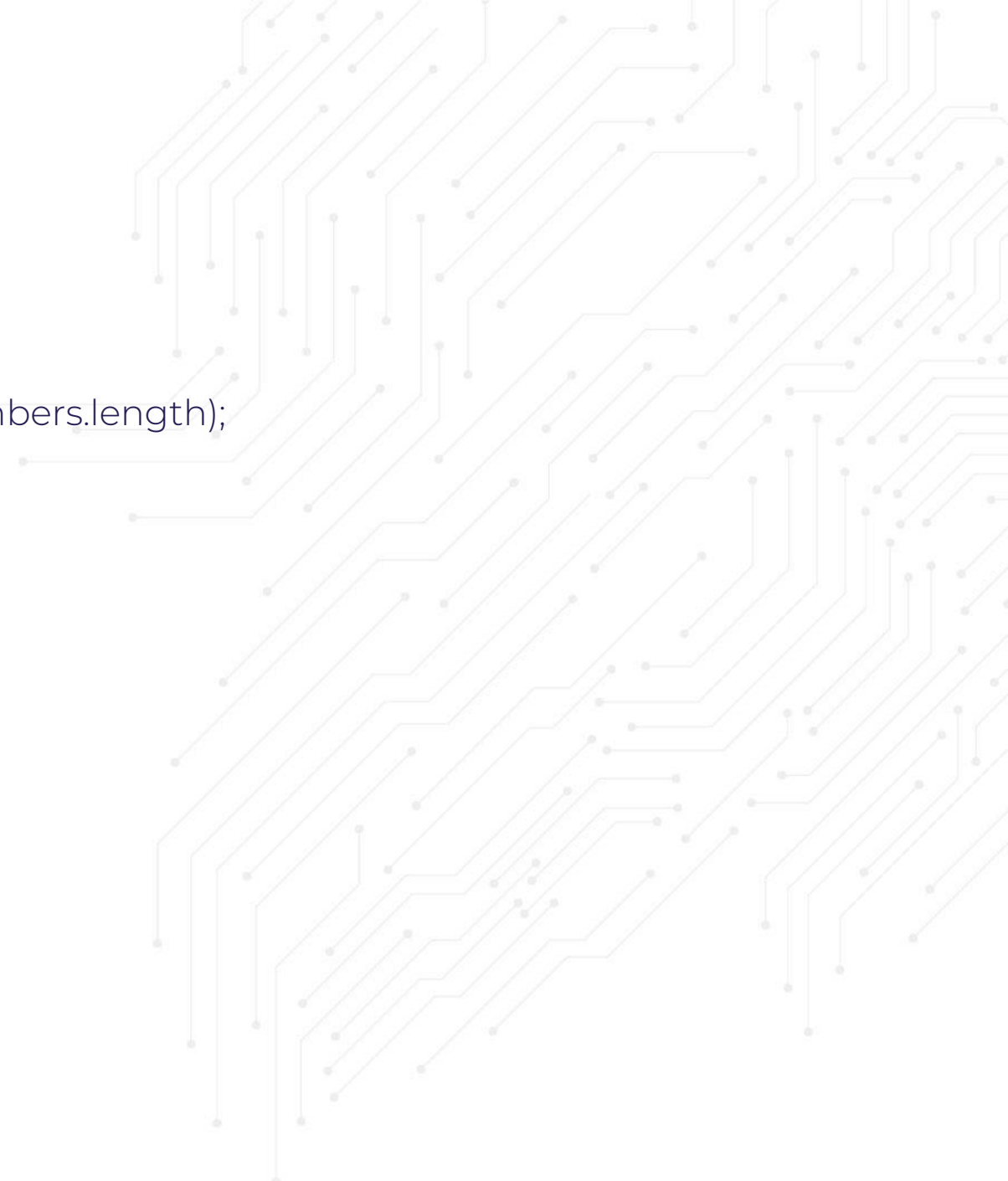
```
for(int el : smallPrimes) System.out.println(el);
```



# Array Copying

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```
int[] luckyNumbers = smallPrimes;  
luckyNumbers[3] = 12;  
int [] copiedValues = Arrays.copyOf(luckyNumbers, luckyNumbers.length);
```



# Array Sorting



```
Arrays.sort(a);
```



# Multidimensional Array

```
int [][] matrix = new int[2][3];  
int [][] matrixInitialized = {{1,2}, {3,4}, {5,6}};
```



# Ragged Array



Arrays in which different arrays have different length

1  
1 1  
1 2 1  
1 3 3 1  
1 4 6 4 1





Materials

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Homework <https://www.hackerrank.com/lesson-5>

Reading Chapter 3.10 - 3.10.7 inclusive



Thank You

