

Java Basics Lesson 5

Get started with Java

Agenda

01 Arrays Initializers and Anonymous Arrays

02 “for each” loop

03 Array Copying

04 Array Sorting

05 Multidimensional Array

06 Ragged Array



Array copying

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

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



“for each” loop



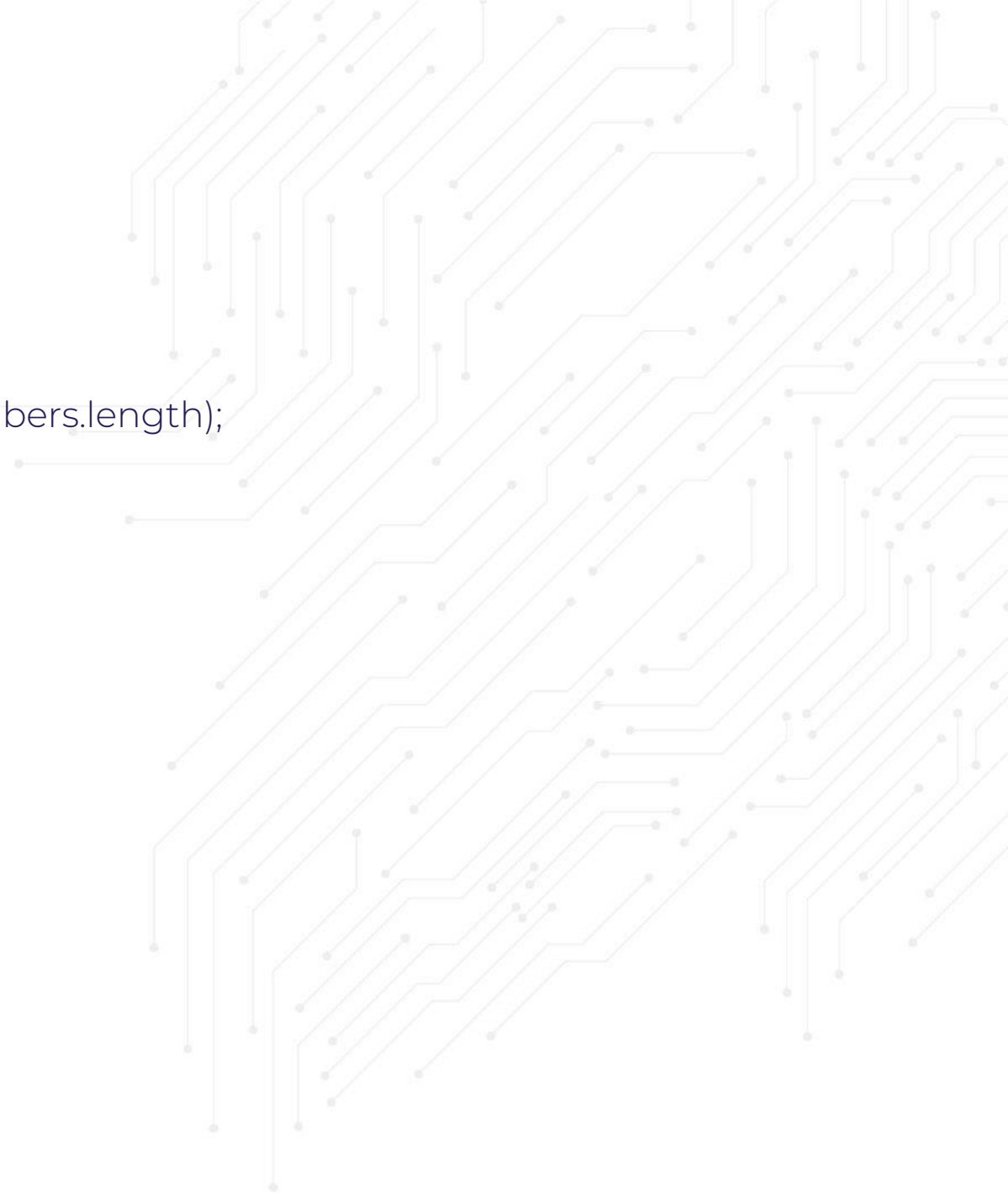
for (variable : collection) statement

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



Array Copying

```
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

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

Reading Chapter 3.10 - 3.10.7 inclusive



Thank You

