SoftUni

Java Foundations

Exercises for:

Arrays in Java

Java

Problem: Day of Week

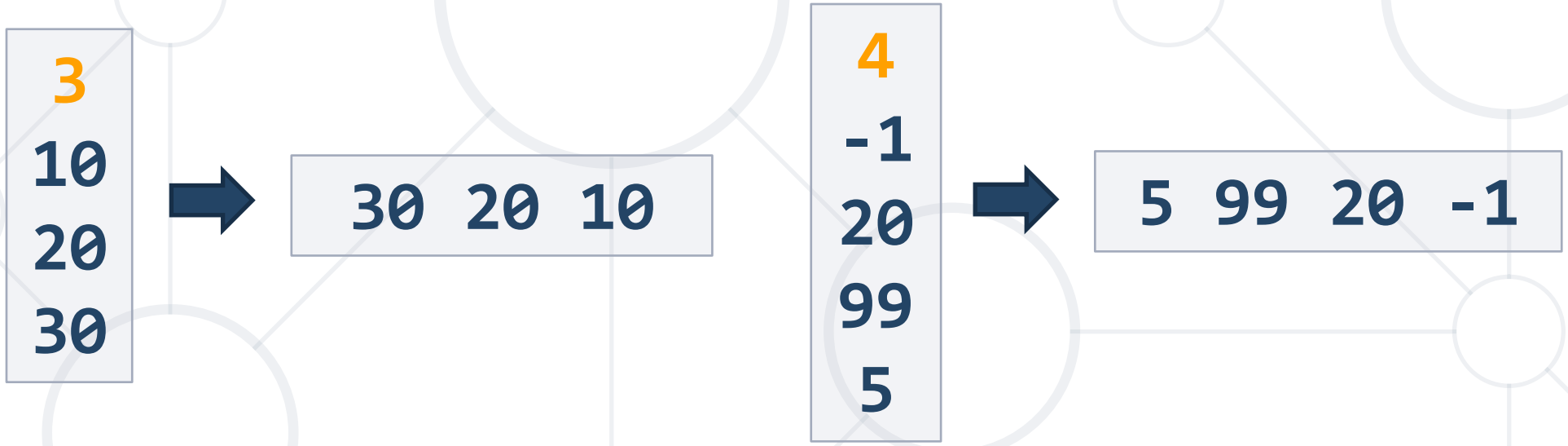
- Enter a **day number** [1…7] and print the **day name** (in English) or "Invalid day!"

```
String[] days = { "Monday", "Tuesday", "Wednesday",
"Thursday", "Friday", "Saturday", "Sunday" };
int day = Integer.parseInt(sc.nextLine());
if (day >= 1 && day <= 7)
  System.out.println(days[day - 1]);
else
  System.out.println("Invalid day!");
```

The first day in our array is on index 0, not 1.

Problem: Reverse an Array of Integers

- Read an array of integers (**n** lines of integers), **reverse** it and print its elements on a single line, space-separated:

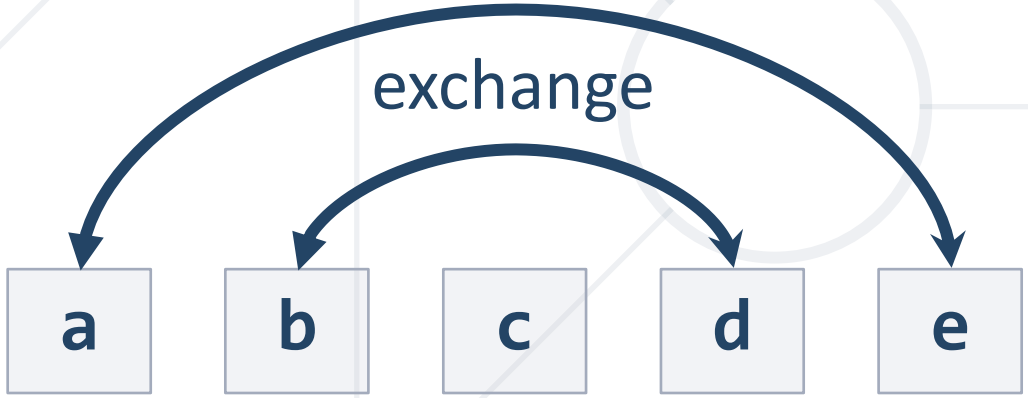


Problem: Reverse Array of Strings

- Read an array of strings (space separated values), reverse it and print its elements:

```
a b c d e  ➡  e d c b a
-1 hi ho w  ➡  w ho hi -1
```

- Reversing array elements:



Problem: Even and Odd Subtraction

- Read an array of integers
- Sum all even and odd numbers
- Find the difference
- Examples:

1 2 3 4 5 6	➡	3	2 4 6 8 10	➡	30
3 5 7 9 11	➡	-35	2 2 2 2 2 2	➡	12

Next Steps

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- Access the Free Coding Lessons
- Get Help from the Mentors
- Meet the Other Learners