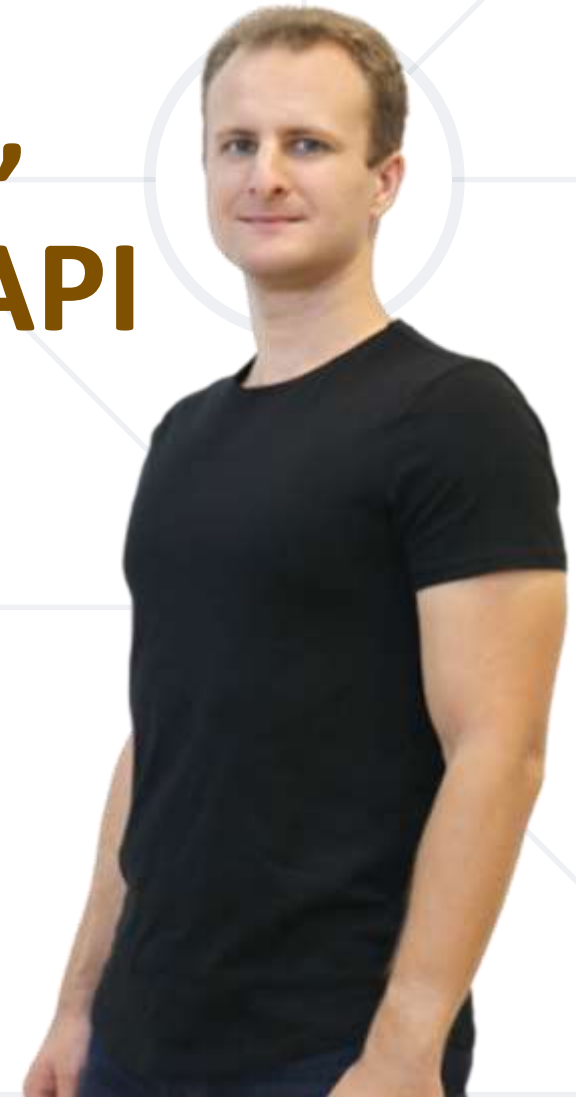


# Java Foundations

## Exercises for: Maps, Lambda and Stream API



Key	Value
John Smith	+1-555-8976
Lisa Smith	+1-555-1234
Sam Doe	+1-555-5030



# Problem: Count Real Numbers

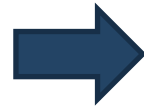
- Read a list of real numbers and print them in **ascending order** along with their number of occurrences

8 2 2 8 2



2 -> 3  
8 -> 2

1 5 1 3

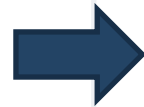


1 -> 2  
3 -> 1  
5 -> 1

# Problem: Words Synonyms

- Read **2 \* N** lines of pairs **word** and **synonym**
- Each word may have **many** synonyms

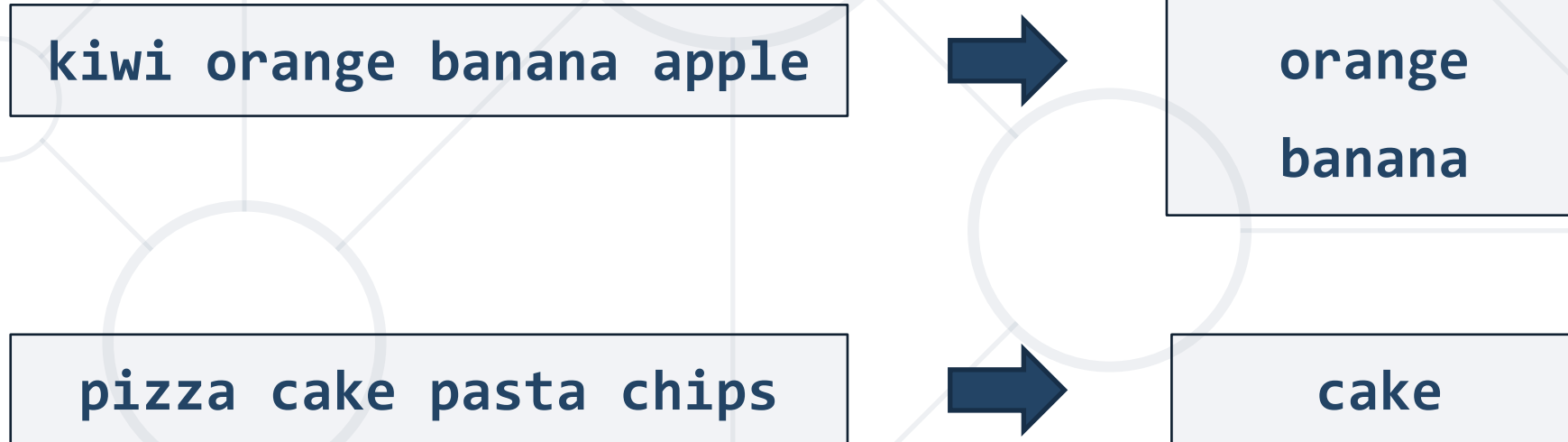
3  
cute  
adorable  
cute  
charming  
smart  
clever



cute - adorable, charming  
smart - clever

# Problem: Word Filter

- Read a string array
- Print only words which length is even



# Problem: Largest 3 Numbers

- Read a list of numbers
- Print largest 3, if there are less than 3, print all of them

10 30 15 20 50 5



50 30 20

1 2 3



3 2 1

20 30



30 20

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