## **DHBW Karlsruhe, Angewandte Informatik**

Programmieren in JAVA – <a href="https://www.iai.kit.edu/~javavorlesung">https://www.iai.kit.edu/~javavorlesung</a> W. Süß, T. Schlachter, J. Sidler, N. Doms, C. Schmitt



## Bereich: Input/Output (2)

# Palindrome speichern Musterlösung Package: de.dhbwka.java.exercise.io Klasse: PalindromeFile

```
package de.dhbwka.java.exercise.io;
import java.io.BufferedReader;
import java.io.File;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;
import java.io.PrintWriter;
import java.util.Scanner;
* @author DHBW lecturer
 * @version 1.0
 * Part of lectures on 'Programming in Java'. Baden-Wuerttemberg
* Cooperative State University.
 * (C) 2016 by J. Sidler, T. Schlachter, C. Schmitt, W. Suess
public class PalindromeFile {
      public static void main(String[] args) {
             Scanner scan = new Scanner(System.in);
             System.out.print("Bitte Wort eingeben: ");
             String word = scan.next();
             StringBuilder reverse = new StringBuilder(word).reverse(); // RTFM!
             System.out.println("Umgekehrt: " + reverse);
             boolean isPalindrome = word.equalsIgnoreCase(reverse.toString());
             System.out.println(word + " ist "
             + (isPalindrome ? "" : "k")
             + "ein Palindrom.");
             scan.close();
             File palFile = new File("palindromes.txt");
             // if palindrome: write it to palindrome file
             if (isPalindrome) {
                   try (PrintWriter pw = new PrintWriter(
                          new FileWriter(palFile,true))) // true for "append"
                   {
                          pw.println(word);
                   } catch (IOException e) {
                          System.err.println("Fehler beim Schreiben: " +
                                             e.getMessage());
                   }
             }
```

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## Bereich: Input/Output (2)

Teil einer Datei Musterlösung

Package: de.dhbwka.java.exercise.io Klasse: TextfileLines

```
package de.dhbwka.java.exercise.io;
import java.io.BufferedReader;
import java.io.File;
import java.io.FileReader;
import java.io.IOException;
 * @author DHBW lecturer
 * @version 1.0
 * Part of lectures on 'Programming in Java'. Baden-Wuerttemberg
 * Cooperative State University.
 * (C) 2016 by J. Sidler, T. Schlachter, C. Schmitt, W. Suess
public class TextfileLines {
      public static void main(String[] args) {
             File textFile = new File("beispiel.txt");
             StringBuilder result = new StringBuilder();
             if (textFile.exists()) {
                   try (BufferedReader br = new BufferedReader(
                         new FileReader(textFile)))
                   {
                          int count = 0;
                          while (br.ready()) {
                                 count++;
                                String line = br.readLine();
                                if (count>=2 && count<=5) {
                                       System.out.println(line);
                                       result.append(line);
                                 }
                          System.out.println("Zeile 2-5: " + result.toString());
                   } catch (IOException e) {
                          System.err.println("Fehler beim Lesen: " +
                                              e.getMessage());
                   }
             }
      }
}
```