

Bereich: Input/Output (1)

Arbeiten mit Dateien

Musterlösung

Package: de.dhbwka.java.exercise.io

Klasse: FileExperiments

```
package de.dhbwka.java.exercise.io;

import java.io.File;
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 FileExperiments {

    public static void main(String[] args) {

        File myDir = new File("myDir");
        myDir.mkdir();

        File[] fooFiles = new File[3];
        for (int i = 0; i < fooFiles.length; i++) {
            fooFiles[i] = new File(myDir, "foo" + (i + 1));
            try {
                fooFiles[i].createNewFile();
            } catch (IOException e) {
                System.err.println("Error creating File " +
                    fooFiles[i].getAbsolutePath());
            }
        }

        System.out.println(myDir.getAbsolutePath());
        for (File f : myDir.listFiles())
            System.out.println(f.getAbsolutePath());

        // Erweiterung: Alles wieder löschen
        for (File f : fooFiles)
            f.delete();
        myDir.delete();

    }
}
```

Bereich: Input/Output (1)

Quersummen speichern

Musterlösung

Package: de.dhbwka.java.exercise.io

Klasse: CrossTotalFile

```
package de.dhbwka.java.exercise.io;

import java.io.FileWriter;
import java.io.IOException;
import java.io.PrintWriter;
import java.util.Scanner;

/**
 * @author DHBW lecturer
 * @version 1.0
 *
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 * Baden-Wuerttemberg Cooperative State University.
 *
 * (C) 2016 by J. Sidler, T. Schlachter, C. Schmitt, W. Suess
 */
public class CrossTotalFile {

    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.print("Bitte Zahl für Quersumme eingeben: ");
        String number = scan.next();
        int total = 0;
        for (char c : number.toCharArray())
            total += (c - '0');
        System.out.println("Die Quersumme von " + number +
            " ist " + total);
        scan.close();
        try (PrintWriter pw = new PrintWriter(
            new FileWriter("crosstotals.txt", true))) // true for "append"
        {
            pw.println("Quersumme von " + number + " ist " + total);
        } catch (IOException e) {
            System.err.println("Fehler beim Schreiben: " +
                e.getMessage());
        }
    }
}
```

