

Software Engineering I

Übung 10: Implementierung

Mariia Merzliakova, Thicha Melissa Thephasdin na Ayuthya

Aufgabe 10.3

4.2 Block indentation

"Each time a new block or block-like construct is opened, indent increases by 2 spaces"

5.2.4 Constant names

to be written in UPPER_SNAKE_CASE hence

X = 10;
Y = 20;

```
public class BadCodeExample {  
    2 spaces public static void main(String args[]) {  
        2+2 spaces int x = 10; int y = 20; int result = calculateResult(x,y);  
        2+2 spaces displayResult(result);  
    }  
  
    2 spaces private static int calculateResult(int a, int b) {  
        2+2 spaces // This method calculates the result  
        2+2 spaces int intermediateResult = a + b;  
        2+2 spaces intermediateResult += 5;  
        2+2 spaces return intermediateResult;  
    }  
  
    2 spaces private static void displayResult(int finalResult) {  
        2+2 spaces // Display the final result  
        2+2 spaces System.out.println("The final result is: " + finalResult);  
    }  
}
```

4.3. One statement per line:
Each statement is followed by a line break

```
public class BadCodeExample {  
    no usages  
    public static void main(String args[]) {  
        int X = 10;  
        int Y = 20;  
        int result = calculateResult(X,Y);  
        displayResult(result);  
    }  
    1 usage  
    private static int calculateResult(int a, int b) {  
        // This method calculates the result  
        int intermediateResult = a + b;  
        intermediateResult += 5;  
        return intermediateResult;  
    }  
    1 usage  
    private static void displayResult(int finalResult) {  
        // Display the final result  
        System.out.println("The final result is: " + finalResult);  
    }  
}
```