Quellcode für Beispiel 02

Head:

```
/takes the first x lines of a file
          BufferedReader reader = new BufferedReader(new
          scanner.close();
```

Tail:

```
public void readFile(String filename) throws Exception {
        scanner.close();
```

}

LOC:

```
public void readFile() throws Exception {
           BufferedReader reader = new BufferedReader(new
InputStreamReader(System.in));
           readFile(reader.readLine());
        Scanner scanner = new Scanner(new File(filename));
           countedLines++;
        scanner.close();
```

}

TreeSize:

```
oublic class TreeSize {
   private DecimalFormat decimalFormat = new DecimalFormat();
   private long tree(String path, int depth) {
           File folder = new File(path);
           File[] files = folder.listFiles();
   public void calculateTree(String path) {
```

Tests:

HeadTest:

Tail:

```
public class TailTest {
   public static void main(String[] args) {
   }
   //tests for Tail
   public static void test05() throws Exception {
      Tail t = new Tail(3);
      t.readFile("Monika.txt");
}
```

```
public static void test06() throws Exception {
    Tail t = new Tail(-77);
    t.readFile("Monika.txt");
}

//test it with a line count that's bigger than the file
public static void test07() throws Exception {
    Tail t = new Tail(1337);
    t.readFile("Monika.txt");
}

public static void test08() throws Exception {
    Tail t = new Tail();
    t.readFile("Monika.txt");
}
```

LOCTest:

```
public class LOCTest {
    public static void main(String[] args) {
        //tests for LOC
        public static void test09() throws Exception {
            LOC 1 = new LOC();
            l.readFile("Monika.txt");
        }
        public static void test10() throws Exception {
            LOC 1 = new LOC();
            l.readFile("IDoNotExist.txt");
        }
        public static void test11() throws Exception {
            LOC 1 = new LOC();
            l.readFile("IAmEmptyInside.txt");
        }
}
```

TreeSizeTest:

```
public class TreeSizeTest {
    public static void main(String[] args) {
    }
    //tests for TreeSize
    public static void test12() throws Exception {
```

```
TreeSize tree = new TreeSize();
    tree.calculateTree("D:\\Studium\\Sommersemester
4\\SWP4VO\\Übungen\\Übung02");
}

public static void test13() throws Exception {
    TreeSize tree = new TreeSize();
    tree.calculateTree("D:\\IDoNotExist");
}

public static void test14() throws Exception {
    TreeSize tree = new TreeSize();
    tree.calculateTree("D:\\Studium");
}

public static void test15() throws Exception {
    TreeSize tree = new TreeSize();
    tree.calculateTree("D:\\Studium\\Sommersemester
4\\SWP4VO\\Übungen\\Übung02\\IAmEmpty");
}
```