Assignment 1

- finish the Todo manager from the previous practicals
Assignment 2

• create a simple net todo manager
  - 2 programs – server and client
  - server
    • manages data
    • can serve several clients concurrently
      - all clients shares single data
  - client
    • communicates with the server
    • usage via parameters of command line
      - as the previous assignment

  - use sockets
  - make up a communication protocol between client and server
  - do not forget to manage communication errors
    • e.g. the server termination while a client is still running
Tests...
Test 1

• Is is possible to declare the variable \( i \) so that the following cycle never terminates?

```java
class Test {  
    public static void main(String[] args) {  
        int i = 0;  
        while (i != i) {  
            System.out.println(i);  
        }  
    }  
}
```

The example based on code from J. Bloch, N. Gafter: Java Puzzlers
Test 2

• What is printed out?

```
public class Increment {
    public static void main(String[] args) {
        int j = 0;
        for (int i = 0; i < 100; i++) {
            j = j++;
        }
        System.out.println(j);
    }
}
```

A 100
B 101
C 0
D something else
E cannot be compiled