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 it possible to declare the variable `i` so that the following cycle never terminates?

```java
while (i != i) {
    
}
```
Test 2

What is printed out?

```java
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