# Homework: Refactoring

This document defines the homework assignments from the ["High Quality Code" Course @ Software University](http://softuni.bg/courses/high-quality-code/). Please submit as homework a single zip / rar / 7z archive holding the solutions (source code) of all below described problems.

## Clean the Smelly Code

Use the VS **solution** "**Matrica**". You are given the file "**Rotation-Walkin-in-Matrix.docx**" explaining the task of the program**.** Improve its internal quality. You might follow the following steps**:**

1. Make some initial refactoring like:

* Reformat the code.
* Rename the ugly named variables.

1. Make the code testable.

* Think how to test console-based input / output.

1. **Write unit tests.** Fix any bugs found while testing.
2. Refactor the code following the guidelines from this lecture. Do it step by step. Run the unit tests after each major change.