**Compilation**

The application is a Java 1.8 maven project and can be opened in any IDE with maven support.

It can be built though the IDE or by using ‘mvn install’ from the command line.

**Execution**

The application is executed from the command line and reads input from a text file.

To run the application use the following:

Java -jar RobotCommander-SNAPSHOT-0.1.jar <input filename>

**Implementation Considerations**

Given more time I would have liked to have addressed the following:

1. Abstract out the RobotCommander class along with file loading and output this would ensure these can be tested as separate entities and would likely catch and solve any issues.
2. Include further test cases, the current tests aim to catch the main issues however more tests are necessary especially ones to catch specific edge cases.
3. Abstract out the ‘scent’ functionality, currently this is embedded within the main functionality I believe this can be further separated from the main functionality.

Although the application was written in an iterative test-driven way consideration was given to the time limitations, but with more time the issues discovered would be resolved.

**Issue**

An issue was noticed which caused a robot that had discovered a ‘scent’ in its next move to output LOST instead of just stay in its current location. This issue will be solved once points 1 and 2 (above) have been addressed. This also causes one of test cases to fail however please note that in a production setting a failing test case would not have been checked in!