

# Medibank Coding Exercise

## Description

This program is written by Java8 and managed by gradle. Project structure is described as below:

<b>src/main/java</b>	- source code
<b>src/test/java</b>	- test case source code
<b>src/test/resources</b>	- test case data files

Below command is used to build and run test cases:

**gradle clean build**

Use below command to run the program against the test data file:

**java -jar build/libs/medibank.jar src/test/resources/com/medibank/test\_data.txt**

## Design

Below classes are main logic implementation for this program.

### Calibrator

It is the main class of this program. It accepts one command line argument as input data file. It is declared as Main-Class entry in manifest.

### InputReader

This class is used to parse the input data file and create related objects for this program.

### Position

This class represents the position of the trainee in the coordinate system.

### Movement

This class will handle the movement action of a trainee.

## Dependencies

This program is using unit-4.12 as unit test framework. No other runtime dependencies required.