How to Build:

- I built my source code with maven with the given pom.xml file with the following command:
  - mvn clean compile assembly:single

How to Run:

- The build command generates a jar file. It can be executed with:
  - java -jar hw1-1.0-jar-with-dependencies.jar

Explanations:

- I implemented OEMS Application as a CLI.
- It supports the following commands:
  - TopOfBook <Symbol>
  - DepthOfBook <Symbol> <Depth>
  - Order <Type> <Symbol> <Side> <TimeInForce> <Quantity> <Price>
  - Status <Id>
  - Cancel <OrigId> <Symbol> <Side>
  - Replace <OrigId> <Type> <Symbol> <Side> <TimeInForce> <Quantity> <Price>
  - TWAP <Type> <Symbol> <Side> <TimeInForce> <Quantity> <Price> <Interval> <Count>
  - Incomings
    - All messages coming from Market can be seen here.
  - Exit
- When user enters a command, he/she does not directly see the result but sees the all incoming messages when he/she enters Incomings command.
- I did not have time to finish parsing Incoming messages(ExecutionReport,DontKnowTrade,...) so I am writing them as pure fix message strings.
- OEMSSettings.txt file should be at the running path.
- FIX42.xml file also can be needed to be at the running path but I am not sure.
- TWAP time interval is in seconds. It makes the first order immediately.