<u>**Course**</u> : **AOOP part 1**
<u>**Date:**</u> **March 2, 2020**
<u>**Student**</u> **Name:**

Homework No. 1

Problem No. 1

Create the Java application as IntelliJ project with UML class diagram for the following class in package com

Stock
-symbol: String
-name: String
-previousClosingPrice: double
-currentPrice: double
+Stock(symbol: String, name: String)
+getSymbol():String
+getName():String
+getPreviousClosingPrice(): double
+getCurrentPrice(): double
+setPreviousClosingPrice(price: double): void
+setCurrentPrice(price: double): void
+changePercent(): double

The symbol of this stock.
The name of this stock.
The previous closing price of this stock.
The current price of this stock.

Constructs a stock with a specified symbol and a name.
Returns the symbol of this stock.
Returns the name of this stock.
Returns the previous closing price of this stock.
Returns the current price of this stock.
Sets the previous closing price of this stock.
Sets the current price of this stock.
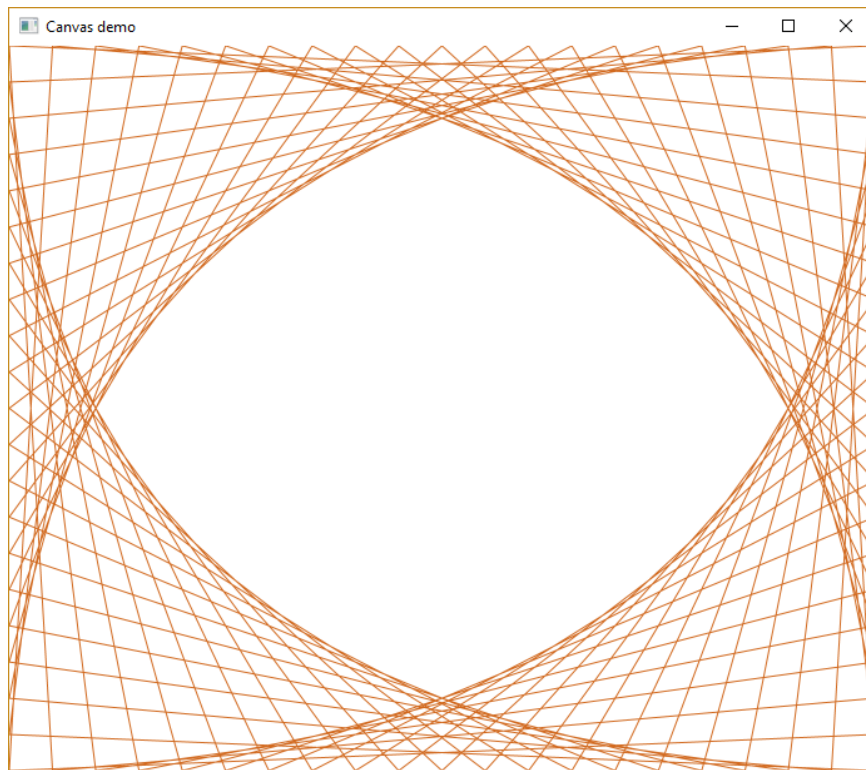Returns the percentage of change of this stock.

Write a StockTest class to test the design and code.

Use comments and good Java programming style!

Submit the solution as a **IntelliJ project**.

Problem No. 2

Write a JavaFX application in IntelliJ to reproduce the following drawing

Submit the solution as an **IntelliJ project**.