

Sofia University
Department of Mathematics and Informatics

Course : AOOD part 1

Date: February 23, 2022

Student 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	The symbol of this stock.
-name: String	The name of this stock.
-previousClosingPrice: double	The previous closing price of this stock.
-currentPrice: double	The current price of this stock.
<hr/>	
+Stock(symbol: String, name: String)	Constructs a stock with a specified symbol and a name.
+getSymbol():String	Returns the symbol of this stock.
+getName():String	Returns the name of this stock.
+getPreviousClosingPrice(): double	Returns the previous closing price of this stock.
+getCurrentPrice(): double	Returns the current price of this stock.
+setPreviousClosingPrice(price: double): void	Sets the previous closing price of this stock.
+setCurrentPrice(price: double): void	Sets the current price of this stock.
+changePercent(): double	Returns the percentage of change of this stock.

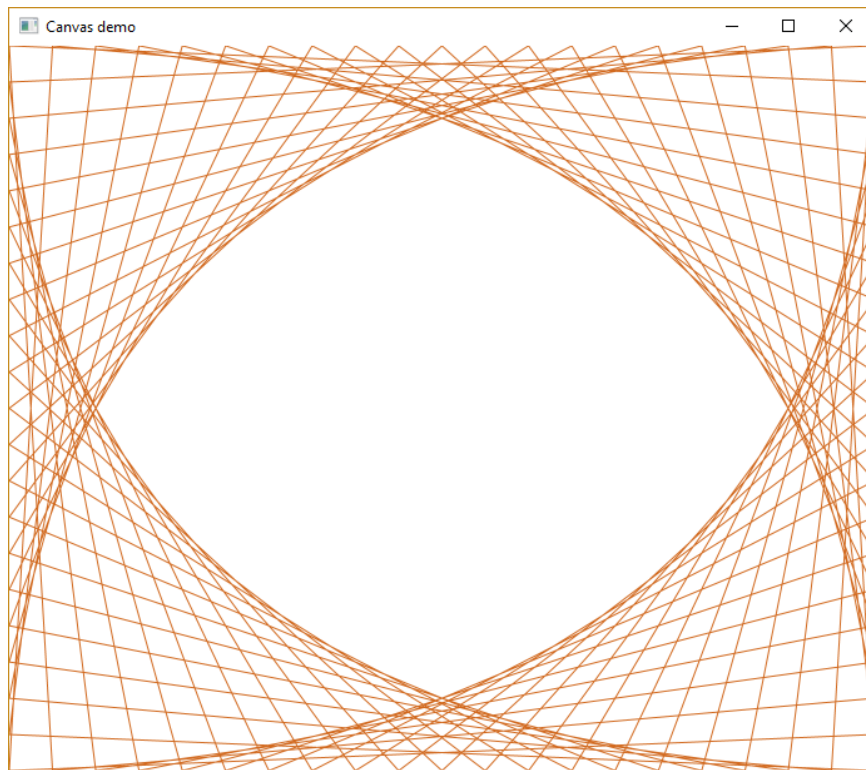
Write a StockTest class to test the design and code.

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**.