

Sofia University
Department of Mathematics and Informatics

Course : AOOD part 1

Date: February 25, 2020

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. |

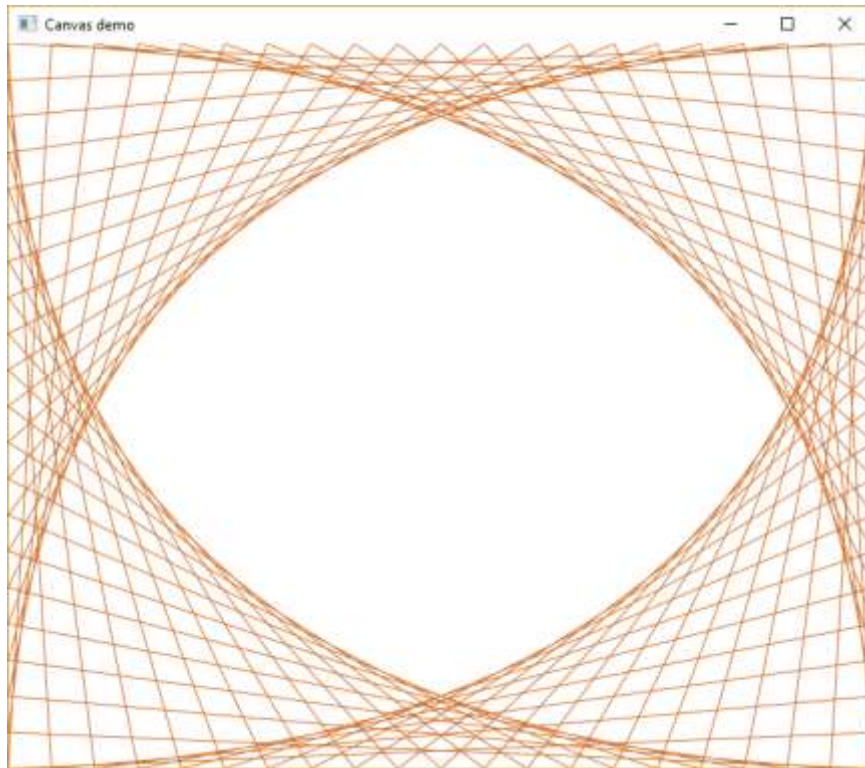
Write a StockTest class to test the design and code.

Use comments and good Java programming style!

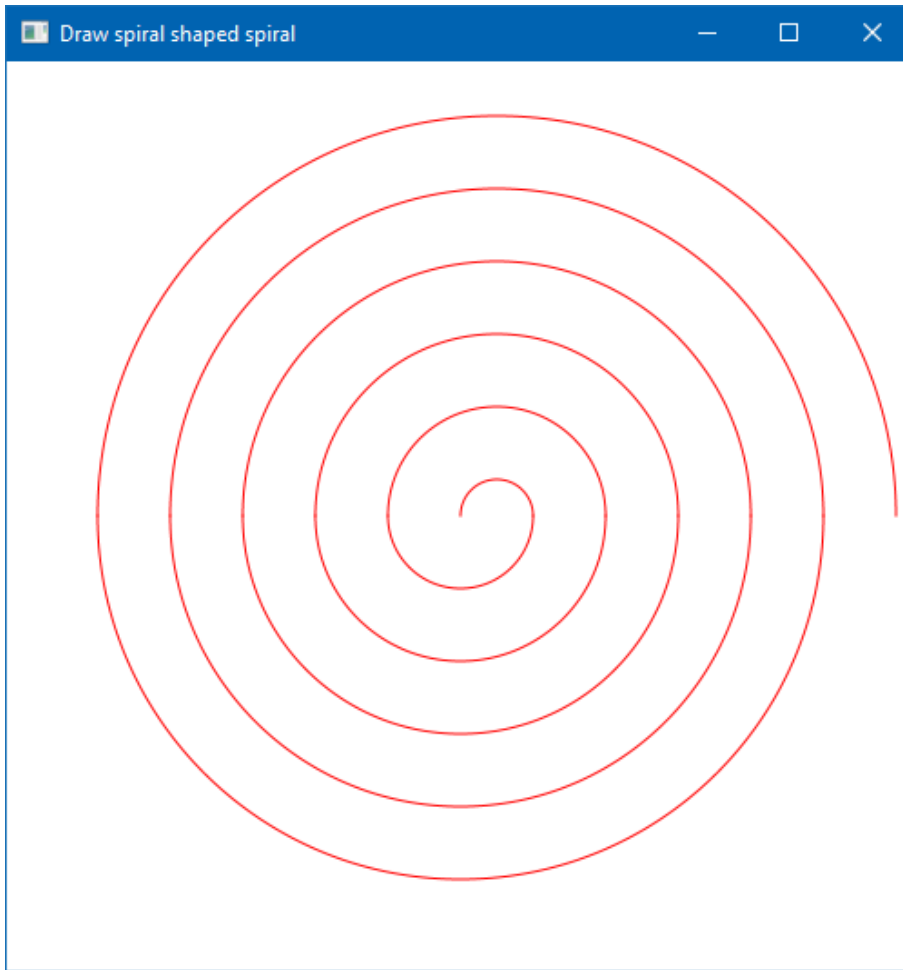
Submit the solution as a **IntelliJ** project.

Problem No. 2

Write a JavaFX application in IntelliJ to reproduce the following drawing



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



Submit the solution as a IntelliJ project.