

COP3022-Intermediate - Project 7

Instructor: Bilal Gonen

email: bgonen@uwf.edu

Spring 2016

(Last updated: 3/5/2016)

Create a Product class. This class should have two instance variables; name and price.

Have default and parameterized constructors.

Also implement setter and getter methods for the instance variables.

Write a raisePrice method that increases the current price by 10%.

Create a P7 class with main method in it. When your program runs, you must check to see if the "binary.bin" file already exist.

- If the file does not exist, then create a new Product with default values "No Name" and price 1000. Display its information (override the toString method to display it in formatted output). Then set the name to "Garlic".
- If the file exists already, then do not create a new Product. Just declare a Product variable, and initialize it with the Product object that is stored in the binary.bin file. Display its info.

Raise the price.

Display its information.

Store this object in the binary.bin file, and program is terminated.

You need to submit 2 screenshots. First make sure that there is no binary.bin file exists. Run the program. Take a screenshot. Then run it again, and take the second screenshot. Your screenshots must look the same as the screenshot below, except your full name.

If you submit your project before 6:00 am on Friday morning, then I will grade your project as quickly as I can (hopefully within 24 hours). This way, if you miss a few points, you can correct them and resubmit your project by Sunday deadline. This is extra burden on me (doubling the grading time), but I am okay with that. Because my goal is not to punish you for a few mistakes, but to teach you the material well.

Sample output

Written by Bilal Gonen

NoName Price: 1000.0

Garlic Price: 1100.0

Written by Bilal Gonen

Garlic Price: 1100.0

Garlic Price: 1210.0

Submission

- Submit 3 files (P7.java, Product.java, and two screenshots).
- Follow submission instructions in e-learning.