

## Object-Oriented Programming Pastry Shop



Write an application that can provide information about products in the pastry shop (cakes, biscuits, buns etc.). Write the code that finds the specific product and the latest bun. The information is stored in a text file. There are many types of pastry in the file. Each of them has own properties and it requires designing a class hierarchy.

*Prompt.* Separate the parts of code according to purpose. Use Java Code Convention.

*Use the knowledge from the previous assignment.*

### Extension of the task.

Use in your program the next types of pastries:

<b>Cupcake</b>  <ul style="list-style-type: none"> <li>- weight</li> <li>- amount of sugar</li> <li>- fruit filling</li> <li>- price</li> </ul>
<b>Strudel</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- filling type</li> <li>- dough type</li> <li>- price</li> </ul>
<b>Pavlova</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- topping</li> <li>- amount of sugar</li> <li>- price</li> </ul>
<b>Brownie</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- extra ingredients</li> <li>- chocolate type</li> <li>- garnish</li> <li>- price</li> </ul>
<b>Sandwich Cookie</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- filling type</li> <li>- dough type</li> <li>- shape</li> <li>- price</li> </ul>

<b>Cheesecake</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- flavor</li> <li>- topping</li> <li>- cheese type</li> <li>- price</li> </ul>
<b>Cinnamon roll</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- dough type</li> <li>- cinnamon amount</li> <li>- garnish</li> <li>- price</li> </ul>
<b>Pie with berries</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- dough type</li> <li>- type of berry</li> <li>- shape</li> <li>- price</li> </ul>
<b>Croissant</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- size</li> <li>- filling type</li> <li>- price</li> </ul>
<b>Eclair</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- filling type</li> <li>- type of the top cover</li> <li>- price</li> </ul>
<b>Donut with filling (Berliner)</b> <ul style="list-style-type: none"> <li>- filling type</li> <li>- type of the top cover</li> <li>- weight</li> <li>- price</li> <li>- energy value</li> </ul>
<b>Donut</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- topping</li> <li>- price</li> </ul>
<b>Belgian waffles</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- filling type</li> <li>- energy value</li> <li>- topping</li> <li>- price</li> </ul>
<b>Bun with filling</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- dough type</li> <li>- filling type</li> <li>- price</li> </ul>
<b>Macaron</b>

<ul style="list-style-type: none"> <li>- flavour</li> <li>- color</li> <li>- price</li> </ul>
<b>Berliner</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- filling type</li> <li>- glaze</li> <li>- price</li> </ul>
<b>Profiteroles</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- cream type</li> <li>- topping</li> <li>- price</li> </ul>
<b>Tiramisu</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- is alcohol flavored</li> <li>- extra ingredients</li> <li>- price</li> </ul>
<b>Gelatin milk dessert</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- amount of sugar</li> <li>- extra ingredients</li> <li>- fat content</li> <li>- price</li> </ul>
<b>Gelatin fruit dessert</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- contains fresh fruits</li> <li>- contains fruit juice</li> <li>- color</li> <li>- flavors</li> <li>- is layered</li> <li>- amount of sugar</li> <li>- price</li> </ul>
<b>Gelatin chocolate dessert</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- chocolate type</li> <li>- amount of sugar</li> <li>- fat content</li> <li>- price</li> </ul>
<b>Quiche</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- cheese type</li> <li>- filling type</li> <li>- is crusted</li> <li>- price</li> </ul>
<b>Rugelach</b> <ul style="list-style-type: none"> <li>- weight</li> <li>- filling type</li> <li>- dough type</li> <li>- is original filling</li> </ul>

<ul style="list-style-type: none"><li>- price</li></ul>
<b>Whoopie pie</b> <ul style="list-style-type: none"><li>- weight</li><li>- cookie type</li><li>- cream filling type</li><li>- cookie color</li><li>- filling color</li></ul>
<b>Chiffon pie</b> <ul style="list-style-type: none"><li>- weight</li><li>- biscuit type</li><li>- filling type</li><li>- is with fresh berries</li><li>- is with jam</li><li>- price</li></ul>
<b>Meringues</b> <ul style="list-style-type: none"><li>- flavor</li><li>- color</li><li>- amount of sugar</li><li>- topping</li><li>- price per 100g</li></ul>
<b>Mousse</b> <ul style="list-style-type: none"><li>- weight</li><li>- flavor base</li><li>- sweetness base</li><li>- amount of sugar</li><li>- price</li></ul>
<b>Candied fruit</b> <ul style="list-style-type: none"><li>- fruit</li><li>- is peel</li><li>- amount of sugar</li><li>- price per 100g</li></ul>
<b>Grilyazh</b> <ul style="list-style-type: none"><li>- nuts type</li><li>- with fruits</li><li>- softness</li><li>- sugar base type</li><li>- amount of sugar</li><li>- price per 100g</li></ul>
<b>Gingerbread</b> <ul style="list-style-type: none"><li>- sweetness base</li><li>- filling type</li><li>- glaze</li><li>- softness</li><li>- price per 100g</li></ul>