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| --- |
| **Product** |
| -productName: String  -weightOfProduct: double  -caloriesOfProduct: double  -productDate: java. util. Date  -priceOfProduct: double  -quantityOfProduct: int |
| +Product()  +Product(name: String, weightOfProduct: double, caloriesOfProduct: double, priceOfProduct: double, quantityOfProduct: int)  +getProductName(): String  +getWeightOfProduct(): double  +getCaloriesOfProduct(): double  +getProductDate(): java.util.Date  +getPriceOfProduct(): double  +getQuatityOfProduct(): int  +setNameOfProduct(name: String): void  +setPriceOfProduct(priceOfProduct: double): void  +setWeightOfProduct(weightOfProduct: double): void  +setCaloriesOfProduct(caloriesOfProduct: double): void  +setQuantyOfProduct(quanityOfProduct int): void |

**Comments**

The name of the product.

The weight of the product in grams.

The calories the product has per pack.

The manufacturing and expiry date of the product.

The price of product.

The quantity unit items that the user needs.

**Methods**

Constructs a default Product object.

Constructs a product with specified name, weight, calories, price and the quantity of the product.

Returns the name of product.

Returns the weight of product.

Returns the calories of product.

Returns the manufacturing and expiry date of product.

Returns the price of product.

Sets the new name of the product.

Sets the new price of product.

Sets the new weight of product.

Sets the new calories of product.

The **Product** class models the product.