# Exam Preparation I

Submit your solutions here: <https://judge.softuni.org/Contests/Practice/Index/4512>

## **1. Unit Test: String Rotator**

Test a given method which takes in **a string representing the input and an integer representing positions.** The method takes the string and **rotates it by the positions**.

**Example:** string "person" with 3 positions becomes "sonper"

### **Examples**

|  |  |
| --- | --- |
| **Argument** | **Returned string value** |
| hello  0 | hello |
| abcdef  2 | efabcd |
| 12345  -2 | 45123 |
| xyz  5 | yzx |

The method is found in the StringRotator.cs file:

A computer screen shot of a program code

Description automatically generated

You are given a **test** **file** StringRotatorTests.cs containing **5 empty tests**. Implement all tests:

A screenshot of a computer

Description automatically generated

When you are ready make sure your **tests run:**

A screenshot of a computer

Description automatically generated

**IMPORTANT:** **DO NOT REMOVE OR CHANGE ANY NAMESPACES AND USINGS.**

## **2. Unit Test: Dictionary Intersection**

Test a given method which takes in **2 <string, int> dictionaries** and **finds the intersection of the two**.

The method is found in the DictionaryIntersection.cs file:

A computer screen shot of text

Description automatically generated

You are given a **test** **file** DictionaryIntersectionTests.cs containing **5 empty tests**. Implement all tests:

A screenshot of a computer

Description automatically generated

When you are ready make sure your **tests run:**

A screenshot of a computer

Description automatically generated

**IMPORTANT:** **DO NOT REMOVE OR CHANGE ANY NAMESPACES AND USINGS.**

## **3. Unit Test: Product**

You are given a **folder of 2 classes -** ProductandProductInventory. The Product **class** is just a helper class:

A screenshot of a computer code

Description automatically generated

The ProductInventory class holds a **list of products** and **methods** for **using the list** that you will **test**:

A screen shot of a computer code

Description automatically generated

A screen shot of a computer code

Description automatically generated

A white background with text and symbols

Description automatically generated with medium confidence

You will need to use the test file ProductInventoryTests.cs, inside they are **5 empty tests with a setup method:**

A screenshot of a computer program

Description automatically generated

When you are ready make sure your **tests run:**

A screenshot of a computer

Description automatically generated

**IMPORTANT:** **DO NOT REMOVE OR CHANGE ANY NAMESPACES AND USINGS.**