# Exam Preparation III

Submit your solutions here: <https://judge.softuni.org/Contests/4514/Exam-Preparation-III>

## 1. Unit Test: Substring Extractor

Test a given method which takes in **a string, and 2 markers marking beginning and end** and **extracts the text between the markers.**

The method is found in the SubstringExtractor.cs file:

A screenshot of a computer code

Description automatically generated

You are given a **test** **file** SubstringExtractorTests.cs containing **6 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 screen

Description automatically generated

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

## 2. Unit Test: Grades

Test a given method which takes in **a dictionary of strings representing names** andan **integer representing grade** and **prints the 3 best grades in the form of**:

"{name} with average grade {grade}"

The method is found in the Grades.cs file:

A screenshot of a computer code

Description automatically generated

You are given a **test** **file** GradesTests.cs containing **4 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: Chat

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

A computer screen shot of a message

Description automatically generated

The ChatRoomclass holds a **list** and **methods** for **using the collection** that you will **test**:

A computer screen shot of a message

Description automatically generated

A computer screen shot of a computer code

Description automatically generated

You will need to use the test file ChatRoomTests.cs, inside they are **3 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.**