

01-Test

Introduction

Testing software ... well I guess this lecture needs no introduction. After all, who wants buggy software? So, let's make sure, using tests, our software isn't buggy.

Purpose

Introduce the student familiar to the concepts of Unit test, Black box test and test automation.

Get a hands-on experience of writing tests.

Requirements

Function Dynamic-memory

Videos

Watch the videos in the following order:

- c-test-theory-small.webm
- c-test-1-intro-small.webm
- c-test-2-mean-small.webm
- c-test-3-test-small.webm

Reading instructions

Wikipedia links:

- https://en.wikipedia.org/wiki/Black-box_testing
- https://en.wikipedia.org/wiki/Unit_testing
- https://en.wikipedia.org/wiki/Test_automation

Goal

The student shall have a understanding and practical experience of the importance of writing tests, how unit tests and black box tests are written so they can be automated.

Exam instructions

ou may be asked to write unit tests for a function.