

02-Types

Introduction

We need to give the computer a bit of help on how to interpret the variable. We do this using the type concept, which tells how big and how to use the memory for a variable.

Purpose

Types are used in many languages, to different degrees. Being familiar with the type concept is important regardless of language and this presentation gives the student a foundation for future studies.

Requirements

The student shall have a basic understanding of memory and variables.

Videos

- [Programming/types/types-small.webm](#)

Reading instructions

Wikipedia links for the keen student. They might be hard to read - feel free to ask your teachers or supervisors:

- https://en.wikipedia.org/wiki/Data_type
- https://en.wikipedia.org/wiki/Primitive_data_type
- [https://en.wikipedia.org/wiki/Reference_\(computer_science\)](https://en.wikipedia.org/wiki/Reference_(computer_science))
- https://en.wikipedia.org/wiki/Reference_type

Goal

The student shall be able to use and reflect over the type concept.

Exam instructions

The exercises are examples of exam questions on the type concept.