

# 01-function

## Introduction

With functions we can divide problems into smaller problems and thereby separating concerns. This makes the software more flexible and possible to reuse.

Functions in C are similar to functions and methods in many other languages.

## Purpose

The purpose of this lecture is to give the student enough background and knowledge to let the student write own functions.

## Requirements

- Type
- Variable
- block

## Videos

- C/function/func-invoke-small.webm
- C/function/func-live-small.webm
- C/function/func-write-small.webm

## Reading instructions

The C programming language - Kernighan & Ritchie

- 4.1 Basics of Functions
- 4.2 Functions Returning Non-integers

## Goal

The student shall be able to:

- write functions returning void
- write functions returning a value of some type

- write functions with no parameters
- write functions with one or more parameters

### **Exam instructions**

All exercises are examples of questions that may appear on an exam.