

02-Control statements

Introduction

In real life we will continue doing the dish until there's no more plates. Or we might need to run to catch the bus if we're close to the departure time.

The first example above is in programming referred to as a loop and the second as an if-statement (or selection).

When writing programs we have the same need - it could be that we need to send an email to all persons in a list.

Purpose

The presentation gives the student a background to control statements as well as prepares the student to use them.

Requirements

expression operator block

Videos

Watch the videos in the following order:

- [Programming/control-statements/control-statements.webm](#)
Introduction to control flow and control statements
- [Programming/control-statements/control-statements-if.webm](#)
Explains the if statement
- [Programming/control-statements/control-statements-for.webm](#)
Explains the for statement
- [Programming/control-statements/control-statements-while.webm](#)
Explains the while statement
- [Programming/control-statements/control-statements-misc.webm](#)
Short introduction to remaining control statements.

Reading instructions

Wikipedia links for the keen student:

- https://en.wikipedia.org/wiki/Control_flow

Goal

The student shall be able to use control statements inwhen writing programs.

Exam instructions

All exercises in the following sections are example of exam questions:

- if
- for
- while

Outside of the examination are

- misc