



J05 Control Flow

Control flow
if-then-else
switch

Control Flow

Control flow statements allow the execution of the program to deviate from a strictly sequential execution of statements ('selection').

Structured programming: sequence, **selection**, iteration.

if-then & if-then-else statements

- The `if-then` construct conditionally executes a block of code.
- The `if-then-else` construct conditionally executes one of two blocks of code.

The `switch` statement

- The `switch` statement selects one path among many.
- Execution jumps to the first matching `case`.
- Execution continues to the end of the `switch` unless a `break` statement is issued.

The `switch` expression

- The `switch` expression selects one value among many.
- Execution jumps to the first matching `case`.
- The value of the expression is given by the `yield` operator in the matching case.