**COOKBOOK (Recipes)**

* How to read and deal with user input
* How to execute system commands
* How to open/read/write/close files
* How to make network connections and send/retrieve data
* How to format/parse sent/received data [eg: HTML, JSON]
* How to handle errors

**Learning V by example**

Starting with an algorithm:

A math algorithm to sum up the first 100 natural numbers may look like

use two integer variables called i and sum

assign the value 0 to both variables

while i is less than 100 do:

increase i by one

add value of i to sum

optionally print the final value of sum

Translating this to V code:

(see <http://ssalewski.de/nimprogramming.html#_our_first_nim_program>)

fn main() {

  sum := 0

  i := 0

  for i < 100 {

    i++

    sum += i

  }

  print(sum)  // => 5050

}