FUNCTIONS ON NUMBERS

POETRY OF PROGRAMMING - CLOJURE ASSIGNMENTS

(1) Write a function average that calculates the mean (average) of a collection of numbers.

```
(average [1 2 3 4 5])
3
(average [1.3 2.4 1.7 2.9])
2.075
```

(2) Write a function sum-of-digits that returns the sum of the digits of a given number.

```
(sum-of-digits 1)
1
(sum-of-digits 12)
3
(sum-of-digits 123)
6
(sum-of-digits 999)
27
```

One way to extract the digits is to convert the number into a string. Then digits are characters. The characters can be assigned numerical values by using a hash-map.