

## CHARACTERS AND STRINGS

### POETRY OF PROGRAMMING – CLOJURE ASSIGNMENTS

- (1) Write a predicate function `first-char?` that takes a character and a string, and checks whether the string starts with that character or not.

```
(first-char? \a "apple")
true
(first-char? \T "banana")
false
```

- (2) Write a function `count-char` that takes a character and a string, and returns the number of how many times the character appears in the string.

```
(count-char \a "banana")
3
(count-char \b "banana")
1
(count-char \x "banana")
0
```

HINT: you can think recursively (remember how `count` was implemented), or you can use `filter` to get the occurrences of the character.

- (3) Write a function `without-char` that takes a character and a string, and returns a string with that character removed.

```
(without-char \a "banana")
"bnn"
(without-char \r "string")
"sting"
```