* Regular expressions (regex)
  + Match text by pattern
* Patterns are defined by special syntax, e.g.
  + **[0-9]+** matches non-empty sequence of digits
  + **[0-9]+**? - matches all digits one by one
  + **[0-9]+** matches zero or one
  + **[A-Z][a-z]\*** matches a capital + small letters
  + **\s+** matches whitespace (non-empty)
  + **\S+** matches non-whitespace
  + **[0-9]{3,6}** – matches 3-6 digits
  + **\d+** matches digits
  + **\D+** matches non-digits
  + **\w+** matches letters (Unicode)
  + **\W+** matches non-letters
  + **\+\d{1,3}([ -]\*[0-9]){6,}**
  + Matches international phone, e.g. +359 2 123-456
  + **^** matches start of text
  + **$** matches end of text
  + **^\+\d{1,3}([ -]\*[0-9]){6,}$**
    - Validates international phone
    - +359 2 123-456 is a valid phone
    - +359 (888) 123-456 is a invalid phone
* \b - It could return exactly the word you want
* \b\w+\b – it returns all words without empty spaces
* [A-Z] – matches all big letters
* [^A-Z] – matches all symbols out of the range
* Gosho(1|2) – matches only “Gosho1” or “Gosho2”. Ignore (Gosho1241)
* And ([a-z]+) the – matches the word between the these two words
* \((.+)\) – matches everything between the brackets. ( brackets must be escaped )
* [a-zA-Z0-9] - returns one symbol from ‘a’ to ‘z’, ‘A’ to ‘Z’ and ‘0’ to `9`
* [a-zA-Z0-9]+ - returns all sequences of symbols from ‘a’ to ‘z’, ‘A’ to ‘Z’ and ‘0’ to `9`
* \b\_[a-zA-Z0-9]+\b - returns all sequences of symbols which start with `\_`;
* \b\_([a-zA-Z0-9]+)\b - returns all sequences of symbols which start with `\_`; without first symbol

Complicated expressions

* \\*[A-Z][a-zA-Z]+(?=\s|$) – find all words which starts with `\*` and end with whitespace or End of the string. ` ?= ` Do not match symbols in brackets.