COMP 141: Lexics and CFGs

Instructions: In this exercise, we are going to review scanners.

1 Toy scanner

1. Write a simple program in C++ that receives **a single token** as input and checks

   - if the received token is a positive integer number
   - if the received token is a punctuation character: +, *, (,).

   You must use **regular expressions** in contrast to the example in lecture, and check if the input matches the token definitions above.

   The output of the program may look like the following:

   ```
   $ ./main
   716235
   number

   $ ./main
   (
   punc

   $ ./main
   *
   punc
   ```