CS 333 Programming Languages

Stages of Compilation
- Lexical analyzer
- Syntactic analyzer
- Semantic analyzer
- Code optimizer
- Code generator

Regular Expressions
- Special characters in regular expressions
  - [] a set of alternatives
  - \ escape character
  - . matches almost any character except line breaks
  - * match the prior expression zero or more times
  - {min, max} specify how many times a token can be repeated
  - + match the prior expression one or more times
  - - range indicated
  - ^ negates an expression when inside brakes, otherwise, is the start of the string
  - $ end of the string
  - ? makes an expression lazy
  - () group tokens