CS 3713-01 Homework #1

Due January 27, 2020

Assignment

Create a regular expression to define each of these languages.

- 1. Hexadecimal constants as in C++. Include a definition of the alphabet.
- 2. Valid identifiers as in C++. Include a definition of the alphabet.
- 3. Over the alphabet {a, b}, all strings with an even number of b's.
- 4. Over the alphabet {a, b}, all strings that contain at least two a's and at most one b.
- 5. Over the alphabet {a, b}, all strings exactly two characters long.