CPSC-433 Formal Languages and Automata

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Assignment # 3
(Due October 25)

1. Give DFA’s accepting the following languages over the alphabet \{0,1\}.
   a) The set of strings ending in 00.
   b) The set of strings with 3 consecutive 0’s (not necessarily at the end).
   c) The set of all strings with 001 as a substring.

2. Textbook, page 66, Exercises 2.3.1 and 2.3.2.

3. Textbook, page 80, Exercise 2.5.1.