

CS3133

HW#3

DUE: Monday, September 9

1. (6 points) Write a regular expression for each of the following languages:
 - a) The set of binary strings with at least one pair of consecutive 1's.
 - b) The set of binary strings with no pair of consecutive 1's.
 - c) The set of binary strings whose next to last character is a 1.
2. (2 points) Do **Exercise 3.1.4 b)** from our text.
3. (9 points) Do **Exercise 3.2.2** from our text.