

## Assignment 01 Section F:

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### Write programs that simulate the given Languages

**Note: The last date of submission is 25-March-2019**

- a. Write a program that recognizes the language defined over the  $\Sigma = \{0, 1\}$ , where the words start and end with a 1, have a length of at least two and where every 0 in the word is immediately followed by at least a 1.
- b.  $\Sigma = \{a, b\}$ ,  $L = \{w \in \Sigma^* \mid |w| \bmod 3 = 2\}$

#### **Deliverables:**

1. The source code of your program. You may use any programming language of your choice.
2. A short report containing the source code and image of the result for the different input string.

#### **SUBMISSION RULES:**

1. Submit the deliverables in the form of group (max. 3 members)
2. One report for each group.
3. Marks will be awarded on the basis of viva.

#### **LATE SUBMISSION POLICY:**

Your final assignment grade will be penalized 20 points per late day.

**CHECK THE ANNOUNCEMENT IN SLATE REGULARLY FOR POSSIBLE UPDATES ON THE ASSIGNMENT.**