CS 302   *11 October, 2017*
QUIZ 3

Duration : 15 minutes
Do not forget to write your name on your paper !

QUESTION

*A string **s** is called a **palindrome** if **s = s^R** where **s^R** denotes **s** written in the reverse direction (as for example in **010** since **(010)^R= 010**).*

(a) *(2pts) Find a Turkish or an English word that is palindrome when interpreted as a string of letters.*

(b) *(8pts) Using the pumping lemma show that the language*

*L := **(s ∈{0,1}*|s** is a **palindrome)** is **not** a regular language.*