

**Gebze Technical University  
Computer Engineering**

**CSE 331 - 2018 Fall**

**HOMEWORK 1 REPORT**

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#### Pseudocode:

- Take input file name from user (max 20 character)
- Open and read the text file into a string (.space 256)
- Traverse on string byte by byte
- Check byte if is equal null (end of string)
  - if equal determine execution and close file
- Check byte if is equal ' . ' , ' ! ' or ' ? '
  - if equal update upper case key by 1 (beginning of sentece)
- Check byte if is equal '1', then '2' then .... '9'
  - if equal jump related procedure
    - if the byte is a digit
      - if upper case key is equal 0 print normal number (like six)
      - if upper case key is equal 1 print upper case number (like Six)
      - then set upper case key by 0
    - if byte is not a digit (like 23 or 2.3) print normal normaly
- if the byte is not equal null , '.' or any digit, thats mean it's character. So print it directly.
- Jump traverse label (like while loop)

#### Extra Point:

- I'm taking file name from user.