Review

- Various methods to read info from a file
 - read, readline, readlines, for loop

- Various string methods to manipulate text data
 - split, strip

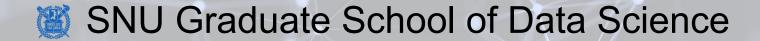
- Type conversion
 - byte, string, int, ...

Computing Bootcamp

File IO Examples

Practice 3

Hyung-Sin Kim



Practice – File I/O

• Suppose the file **file_practice.txt** contains numbers ending with '.' and comments written after hash symbol(#). Write a code that finds the largest number in the file ending with '.'. Ignore any part of the line commented with '#'.

```
#Annual Number of Lynx Trapped, MacKenzie River, 1821-1934
#Original Source: Elton, C. and Nicholson, M. (1942)
#"The ten year cycle in numbers of Canadian lynx".
#J. Animal Ecology, Vol. 11, 215--244.
#This is the famous data set which has been listed before in
#various publications:
#Cambell, M.J. and Walker, A.M. (1977) "A survey of statistical work on
#the MacKenzie River series of annual Canadian lynx trappings for the years
#1821-1934 with a new analysis", J.Rov.Statistical Soc. A 140, 432--436
                                                                            These numbers are not valid
  269. 321. 585. 871. 1475. 2821. 3928. # 5943. 4950. 2577.
              409. 2285. 2685. 3409. 1824.
                                                  151.
                                            409.
  546. 1033. 2129. 2536.
                         957.
                                361.
                                      377.
                                            225.
                                                  360.
                                      552. 1623. 3311. 6721. 4245.
                                245.
#### This is a break line
                   784. 1594. 1676. 2251. 1426.
                                                       1307. # 3465. 6991. These numbers are not valid
                          587.
                                105.
                                      153.
                    345.
                          382.
                                808.
                                     1388.
                                399. 1132. 2432. 3574. 2935. 1537.
       662, 1000, 1590, 2657, 3396,
```