Homework 8

- Each student is assigned a file, and can be retrieved fromhttp://web.njit.edu/~zhiwei/BNFO135/data1/YourLastName.txt
- Here is an example to read the file in Python, for student Simons

import urllib
f=urllib.urlopen("http://web.njit.edu/~zhiwei/BNFO135/data1/Karan.txt")
data=f.readlines()

- This file contains a number of DNA sequences.
- Write a Python script that
  - Ask the user to provide an integer **N**.
  - These DNA sequences have different lengths. Concatenate them together and generate DNA sequences with **N** letters/line (the last line may have length < **N** bp).
  - Write a function that given a dna sequence, output a mRNA sequence
  - Utilize that function to **output** the corresponding re-formatted DNA sequences into mRNA sequences (also **N** letters/line and the last line may have length < **N** letters).

Requirement

- When you are done, submit your codes (a .py file!) to moodle by Monday (April 21) and a hard copy before class.