

FYS 102: Bioinformatics
Homework 1
Due Monday, September 10

Write a python function (starting with `def`) for each of the following problems. The functions should all reside in one file when you hand them in.

1. Write a function that returns the average of the numbers in a list (based on the summing function from class).
2. Write a function that prints all the even indexed bases in a string of DNA. (The function should take the string as a parameter.)
3. Write a function that returns the number of start and stop codons in a string of DNA.
4. Write a function that returns the number of occurrences of one string of DNA in a longer string of DNA. This function should take two parameters.
5. Write a function that returns the starting index of the *last* start codon in a string of DNA.
- *6. Write a function that searches for ORFs in reverse order (on the complementary strand of DNA).

Have fun!