Python Class 14

Continue DNA project

Get the code

- https://github.com/davidcbhunter/POP2021/blob/main/gene.py

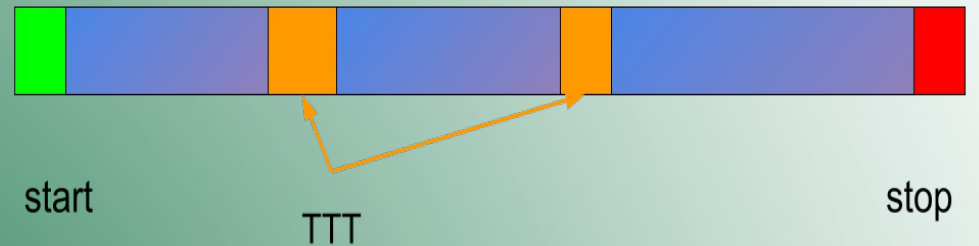# *Let's change our code to a gene class*

- What variables will it need?

- What functions will our gene class need?

Adding two basic functions

- Add function that tells us if a codon is in a gene

- Add function that counts the number of a particular codon in a gene.

First Function

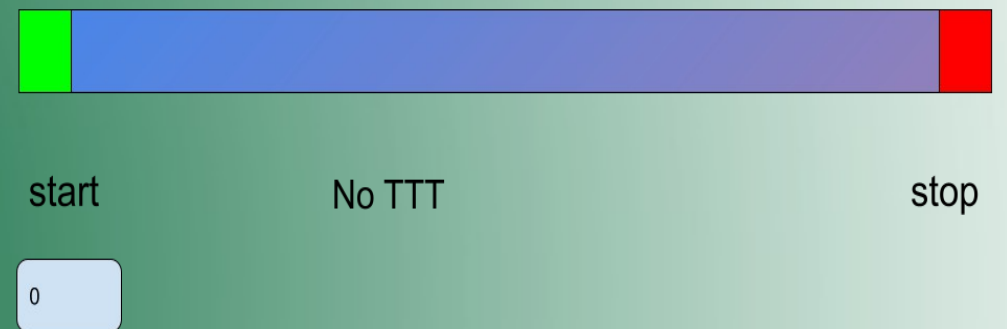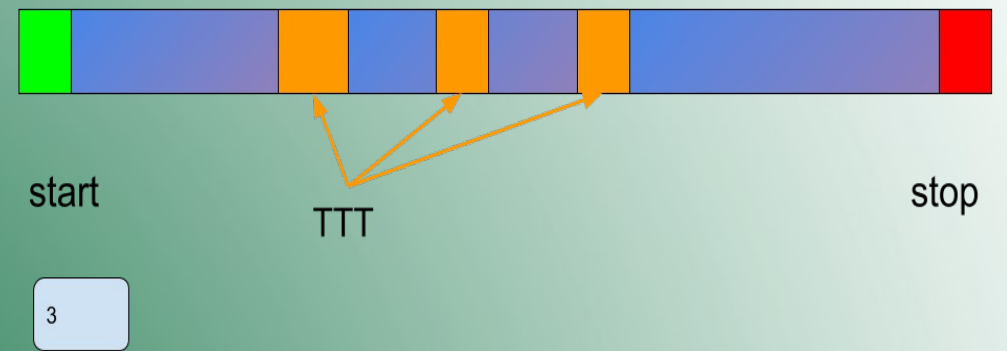- Add function that tells us if a codon is in a gene

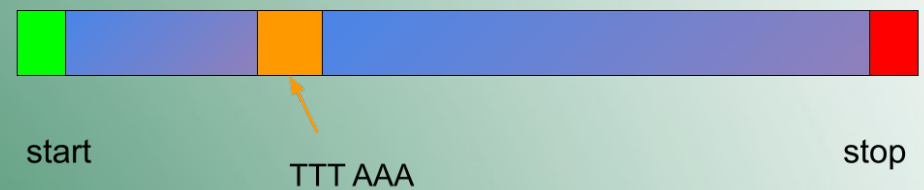start   TTT   stop

True

start   No TTT   stop

False

Second Function

- Add function that counts the number of a particular codon in a gene.

start   TTT   stop

3

start   No TTT   stop

0

Challenge Function

- Add a function that matches a pattern of codons in a gene.

start

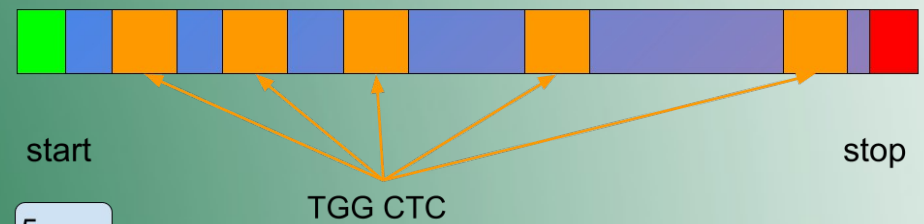TTT AAA

stop

True

---

start

No TTT AAA

stop
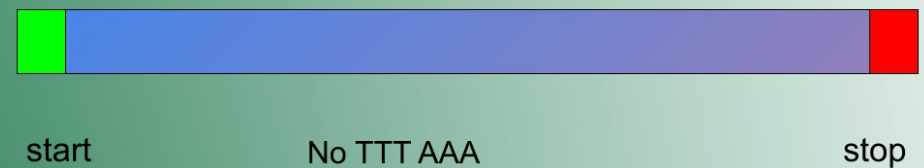
False

Extra Challenge Function

- Add a function that counts the number patterns in a gene.

Make a DNA class

- What variables does a DNA class need?

- What functions does a DNA class need?