Python 2 Problem Set

1. Use the Interactive Interpretor to test to see if you can find an 'ATG' in the following DNA string:

```
GTACCTTGATTTCGTATTCTGAGAGGCTGCTGCTTAGCGGTAGCCCCTTGGTTTCCGTGGCAACGGAAAA
```

2. How about 'TTT'?
3. Save the DNA string to a valiable and do 1 and 2 again.
4. Make sure to commit your changes along the way. You can wait until the end to push them to your remote repo, if you like, or you can do it now.
5. In the interpretor use `bool` to test a variety of values like '', 0, 0.0, FALSE, false, True, true, 'True', 'False' to see if they evalue to True or False.
6. Using a text editor, write a script that
   - Assigns a value to a variable
   - Has a if/else statment in which:
   - It prints out a confirmation of truth if the value is true
   - It prints out "Not True" if the value is not true.
7. Write a new script that does the same as the last question, but gets the value from the command line.
8. Make sure to commit your changes along the way. You can wait until the end to push them to your remote repo, if you like, or you can do it now.
9. Create a script that has a if/elif/else statement that
   - Tests to see if a number is positive or negative
   - if it is positive, is it bigger or smaller than 50
   - if it is smaller, is it an even number
   - if it is larger, is it divisible by 3.
10. ADD/COMMIT/PUSH