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Report for program 03

The objectives of this programming assignment are:

1. Get comfortable with string operations and manipulation in Python.
2. Use conditional statements and loops to solve a simplified version of a real-world application.

Variables used in program

* DNA: The DNA string that the user is asked to enter.
* DNA2: the new DNA string that is changed from the original DNA string entered.
* MirrorDNA: The mirrored version of the original DNA string.
* ReverseDNA: The reverse version of the original DNA string.
* validDNA: The components that made a DNA sequence true.
* NumMatches: The number of DNA matches in 2 sequences entered by the user.

Problems encountered

Firstly, I struggled with this assignment, which is why it was turned in so late. I had to research a lot of examples, methods, videos, etc., for help. I also asked the professor for help many times. I just ran into many difficulties while doing this program. It was really confusing and I felt that it required some things that we did not learn in class. The book was not much help either. However, after awhile I figured out how to do most of this assignment and I ran into no problems with Python itself.