Lab 4.01 - de_vowel ## Remove the Vowels Create a function, `de_vowel`, which will take a string as input and return a copy of that string with all the vowels removed. Otherwise, the string should be the same. 1. Create the function contract for `de_vowel`. 2. Write `de_vowel` using a for loop 3. Provide a few examples that confirm de_vowel works as expected: * What if the string is all vowels? * What if there are no vowels? * What if there is a mix of vowels and non-vowels and spaces? ### Example Example of the file: ```python # contract goes here def de_vowel(a_string): # your code goes here no_vowels = de_vowel("This sentence has no vowels") print(no_vowels) # examples go here ``` Example output: ```python >>> python3 de_vowel_lab.py Ths sntnc hs n vwls ``` ### Bonus Use a counter (variable you define outside of a loop to keep track of a value inside a loop) to create a function `count_vowels`. `count_vowels` takes in a string and returns an `int` representing the number of vowels in the string. ## SNAP Challenge – 10 Cats Drinking Milk from a Saucer Create the following program in Python. ![Number of Cats](NestedLoops%20-%20NumOfCats%20-%20Code.png)