

## 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. 'Y' does not count as a vowel for the purposes of this function.

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?
  - What if some vowels are capitalized, e.g., the first letter in a sentence?

### Example

Example of the file:

```
# 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:

```
>>> 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.

Can you think of an alternate way to do complete this task without any loop or counter, by making use of your new `de_vowel()` function instead?

## SNAP Challenge - 10 Cats Drinking Milk from a Saucer

Create the following program in Python.

## Introduction to computer science



## Number of Cats