

Python Day 1 Assignment

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1 Assignment Questions

1.1 Question 1

Write a program that counts up the number of vowels [a, e, i, o, u] contained in the string.

```
1 def getNVowels(string: str):
2     n = 0
3     for char in string:
4         if (char in ['a', 'e', 'i', 'o', 'u']):
5             n += 1
6     return n
7
8
9 print(getNVowels("hello"))
10 print(getNVowels("hello world"))
```

2
3

1.2 Question 2

Write a function that accepts two arguments (**length**, **start**) to generate an array of a specific length filled with integer numbers increased by one from start.

1.3 Question 3

Fill an array of 5 elements from the user, sort it in descending and ascending orders then display the output.

1.4 Question 4

Write a function that takes a number as an argument and if the number is divisible by 3 return **Fizz**, if it is divisible by 5 return **Buzz**, and if it is divisible by both return **FizzBuzz**.

Question 6

1.5 Question 5

Write a Python function that checks whether a passed string is palindrome or not.

Note: A palindrome is a word, phrase, or sequence that reads the same backward as forward, e.g., `madam` or `nurses run` (ignoring the spaces).

1.6 Question 6

Write a function that takes a string and prints the longest alphabetical ordered substring occurred.

For example, if the string is `abdulrahman` then the output is: Longest substring in alphabetical order is: `abdu`.