**Data Programming Section 002, Fall 2021**

**Exercise 5 - KEY**

1. Code:

string = input("Enter a string: ")

print("The vowels in ",string," are: ",end=' ')

for i in range(len(string)):

if string[i] == 'A' or string[i] == 'E' or string[i] == 'I' or string[i] == 'O' or string[i] == 'U' or \

string[i] == 'a' or string[i] == 'e' or string[i] == 'i' or string[i] == 'o' or string[i] == 'u' :

print(string[i],end=' ')

2.

Code:

countPositive = 0

countNegative = 0

count = 0

total = 0

num = int(input("Enter an integer, the input ends if it is 0: "))

while num != 0:

if num > 0:

countPositive += 1

elif num < 0:

countNegative += 1

total += num

count += 1

# Read the next number

num = int(input(

"Enter an integer, the input ends if it is 0: "))

if count == 0:

print("No numbers are entered except 0")

else:

print("The number of positives is", countPositive)

print("The number of negatives is", countNegative)

print("The total is", total)

print("The average is", total / count)