Programmers Journal - Unit 3 Lesson 2

Throughout this lesson I learned how to use text.find to get to a certain part and how to split a string. I had a little difficulty with exercise 10.2 with only getting the works inside the brackets, however everything else I feel like I understood how to do.

**Exercise 10.1**

**csv = input("please enter a string: ")**

**counta, counte, counti, counto, countu = 0, 0, 0, 0, 0**

**for i in csv:**

**if i.lower() == 'a':**

**counta += 1**

**elif i.lower() == 'e':**

**counte += 1**

**elif i.lower() == 'i':**

**counti += 1**

**elif i.lower() == 'o':**

**counto += 1**

**elif i.lower() == 'u':**

**countu += 1**

**print("a={}. e={}, i={}, o={}, u={} occurances in this string" .format(counta, counte, counti, counto, countu))**

**Exercise 10.2**

**text = """And sending tinted postcards of places they don ' t**

**realise they haven ' t even visited to ' All at nu[m]ber 22, weather**

**w[on]derful , our room is marked with an ' X '. Wish you were here.**

**Food very greasy but we ' ve found a charming li[t]tle local place**

**hidden awa[y ]in the back streets where they serve Watney ' s Red**

**Barrel and cheese and onion cris[p]s and the accordionist pla[y]s**

**"Maybe i[t ] ' s because I ' m a Londoner " ' and spending four days on**

**the tarmac at Luton airport on a five -day package tour wit[h]**

**n[o]thing to eat but dried Watney ' s sa[n]dwiches..."""**

**start = -1**

**while True:**

**start = text.find('[', start + 1)**

**if start < 0:**

**break**

**finish = text.find(']', start)**

**if finish < 0:**

**break**

**print(text[start+1:finish], end=' ')**

**start = finish**

**print()**

**Exercise 10.3**

**alpha = "ABCDEFGHIJKLMNOPQRSTUVWXYZ"**

**print(alpha)**

**for i in range(26):**

**alpha13 = (i+13)%26**

**alpha = chr(ord("A") + alpha13)**

**print(alpha, end="")**

**Exercise 10.4**

**text = """How much wood would a woodchuck chuck**

**If a woodchuck could chuck wood?**

**He would chuck , he would , as much as he could ,**

**And chuck as much as a woodchuck would**

**If a woodchuck could chuck wood."""**

**def clean(string):**

**news = ""**

**string = string.lower()**

**for c in string:**

**if c >= "a" and c <= "z":**

**news += c**

**else:**

**news += " "**

**return news**

**counter = 0**

**for word in clean(text).split():**

**if word == 'wood':**

**counter += 1**

**print(f”wood appears {counter} times”)**