March 10, 2022

1 Question 3

```
[1]: def case_count(string):
         upper = sum(1 for i in string if i.isupper())
         lower = sum(1 for i in string if i.islower())
         print("Uppercase: %s, Lowercase: %s" % (upper, lower))

     case_count("Hello World")
```

Uppercase: 2, Lowercase: 8

2 Question 2

```
[2]: import re

     def unique_letters(string):
         string = re.sub(r'[^a-zA-Z\d]','', string)
         unique_char = []
         for c in string.upper():
             if not c in unique_char:
                 unique_char.append(c)
         print(unique_char,',', len(unique_char))

     unique_letters("Hello World")
```

['H', 'E', 'L', 'O', 'W', 'R', 'D'] , 7