Prelab 06 ee364b13

1. match = re.findall(r” A{2,5}”,str)

2. match = re.sub(r'[0-9]\*\.[0-9]+',r”float”,numstr))

3. print(re.subn(r'[0-9]\*\.[0-9]+',”float”,numstr)[1])

4. import re

numstr = '12.35 15 12.33 15 13 2 6 17.86'

match = re.findall(r'[0-9]\*\.[0-9]+',numstr)

newnumstr = re.sub(r'[0-9]\*\.[0-9]+',r"float",numstr)

sum = 0

counter = 0

newnumstr = newnumstr.split()

for i in newnumstr:

if(i != 'float'):

sum += int(i)

counter += 1

avg = sum / counter

print(avg)

5. string = re.sub(r”EE364”,r”EE461”,string,i)

6. IPv4 = '328.210.11.87'

match = re.search(r'\d{1,3}\.\d{1,3}\.\d{1,3}\.\d{1,3}',IPv4)

byte = re.findall(r'\d{1,3}',match.group())

for i in byte:

if(int(i) < 0 or int(i) > 255):

print('Invalid IP Address!')

break

7.

* re.search(“e”, input, re.I)
  + Searches for the first occurance of string “e” in the string “input” regardless of its uppercase/lowercase counterpart.
* re.match(“(.\*)(is a)(.\*)”, input)
  + Looks through the entire string of “input” and looks for a “is a” string regardless of what is in front or behind.
* re.search(“(I){1}(like){10,}(you){1,2}”, input)
  + Looks for a string within the string “input” that says “I” only once and “like” at least 10 times, and “you” either 1 or 2 times without anything between them.