1) re.findall(r" A{2,5}", string)
2) re.sub("^-?[0-9]\d*(\.\d+)?$",r"float", string)
3) print(re.subn(r"^-?[0-9]\d*(\.\d+)?$", r"float", string)[1])
4) import re
string = "not integer -1 -4 5 8 10 11 12.5"
ints = re.findall(r'-?\d+', string)
ints = list(map(int, ints))
avg = sum(ints) / len(ints)
print(avg)
5) re.sub(r"EE364", r"EE461", string, 1)
6) import re
ipaddr = "192.168.1.1"
if re.match(r"(\d|[1-9]\d|1\d\d|2[0-4]\d|25[0-5])\.(\d|[1-9]\d|1\d\d|2[0-4]\d|25[0-5]){3}", ipaddr) is not None:
print("Valid IP")
else:
print("Invalid IP")
7) a. Searches for an instance of "e" and is case-insensitive
b. Looks for string "is a" and doesn't care what is before or after.
c. Same as before but places each piece into groups
d. Searches for one instance of "I" followed by 10 or more instances of "like" and then 1 or two instances of "you"