

```

#!/usr/bin/env python3.4

#

#####

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#   $Date: 2015-10-04 14:11:41 -0400 (Sun, 04 Oct 2015) $

#   $HeadURL: svn+ssh://ece364sv@ecegrid-
thin1/home/ecegrid/a/ece364sv/svn/F15/students/ee364f03/Prelab06/prelab06_ee364f03.py $

#   $Revision: 82388 $

#

#####


import glob
import string
import re
from pprint import pprint as pp


def part1(input):
    return re.search(' A{2,5} ',input)


def part2(input):
    return re.sub(r"-?[0-9]+\.[0-9]*", "float", input)


def part3(input):
    return re.subn(r"-?[0-9]+\.[0-9]*", "float", input)[1]


def part4(input):
    Sum = 0

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Match = re.findall(r"-?[0-9]+\.[0-9]*", input)
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for item in Match:
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    Sum += float(item)
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return Sum / len(Match)
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def part5(input):
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    return re.sub("EE364", "EE461", input, 1 )
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```
def part6(input):
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```
    Match = re.match(r"(25[0-5] | 2[0-4][0-9] | [0-1][0-9][0-9] | [0-9]{1,2})\.(25[0-5] | 2[0-4][0-9] | [0-1][0-9][0-9] | [0-9]{1,2})\.(25[0-5] | 2[0-4][0-9] | [0-1][0-9][0-9] | [0-9]{1,2})\.(25[0-5] | 2[0-4][0-9] | [0-1][0-9][0-9] | [0-9]{1,2})$", input)
```

```
    if Match:
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        return True
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```
    return False
```

```
if Match:
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    for item in Match.group(1,2,3,4):
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```
        if int(item) > 255:
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```
            sum = 0
```

```
    return True
```

```
return False
```

```

def part7(input):
    pass

    #re.search("e", input, re.I)
    #returns the location of e or E in a string


    #re.match("(.*)(is a)(.*)", input)
    #returns the location of "is a" inside s string


    #re.match("(?P<First>.*)(?P<Second>is a)(?P<Third>.*)", input)
    #returns the string seperated into three groups with "is a" the second group


    #re.search("(l){1}(like){10,}(you){1,2}", input)
    #finds one occurrences of l followed by at least 10 repetitions of "like" followed by 1 to 2 repetitions
    of you

```

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if __name__ == '__main__':

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```

    test = part7('akjkd is alaasd')

```

```

    print(test)

```