1.)
```
m = re.search(r"\sA{2,5}\s", line)
print m.groups()
```

2.)
```
m = re.sub(r"[0-9]+\.[0-9]+", "float", line)
print m.groups()
```

3.)
```
m = re.subn(r"[0-9]+\.[0-9]+", "float", line)
print m.groups()
```

4.)
```
m = re.findall(r"[0-9]+", line)
i = 0
while len(m) > i:
        sum += int(m[i])
        i += 1
average = sum/len(m)
```

5.)
```
m = re.sub(r"EE364", "EE461", line, 1)
print m
```

6.)
```
m = re.search(r"([\d.-]+)\:([a-z0-9]+)", line)

ipaddr = re.findall(r"([0-9]+)", m.group(1))
```

7.)
```
re.search("e", input, re.I)
-> search E and e in the given input and return the matched
object

re.match("(.*)(is a)(.*)", input)
-> the given pattern is any string of any length with 'is
a' in between

re.match("(?P.*)(?Pis a)(?P.*)", input)
-> the given pattern matches the character before the ? is
repeated 0 or 1 time

re.search("(I){1}(like){10,}(you){1,2}", input)
->the given pattern searches for 1 occurrence of 'I' at
least 10 occurrences of    'like' and 1-2 occurrences of 'you'
from the given input
```