

1. `re.search(" (A{2,5}) ", string_input)`
2. `re.sub("(\\d*)\\.\\d+", "float", string_input)`
3. `result+string, result_number = re.subn("(\\d*)\\.\\d+", "float", string_input)`
`return result_number`
4. `array = re.findall("(+|-)?(\\d+)", input_string)`
`sum =0`
`for iter in array`
`sum +=int(iter)`

`return sum`
5. `re.sub("EE364", "EE461", input_string, 1)`
6. `p = "(\\d+)\\.\\d+\\.\\d+\\.\\d+"`
`flag = re.match(p,input_IP)`
`if not flag:`
`return 0`
`if int(obj.group(1)) < 256 and int(obj.group(2)) < 256 and int(obj.group(3)) < 256 and`
`int(obj.group(4)) < 256 :`
`return 1`
`else:`
`return 0`
7. a) Case intensive search
b) checks the presence of "is a" in the string
c) "I" repeats exactly once ; "like" repeats 10 times or more ; "you" repeats once or twice