prelab06 ee364b13

Part 1: Regular expressions (warm-up)

- 1. re.search("(\s) $\{1\}$ (A) $\{2,5\}$ (\s) $\{1\}$ ", input)
- 2. re.sub("-?(\d+).(\d+)", "float", input)
- 3. re.subn("-?(\d+).(\d+)", "float", input)[1]
- 4. extract_int = re.findall("-?\d+", input)
 ind = 0
 while ind < len(extract_int):
 extract_int[ind] = int(extract_int[ind])
 ind += 1
 avg = sum(extract int)/len(extract int)</pre>
- 5. re.sub(r"EE364",r"EE461", input, 1)
- 6. isvalid = all((ip.isdigit() and int(ip)<=255 and int(ip)
 >=0) for ip in re.split(r"[.]", address.strip()))
- 7. a) It searches whether alphabet "e" is in the input string case insensitively.
- b) It matches the input string in the format of A is a B and group result into 3 groups: A, "is a" and B.
- c) It matches the input string in the format of A is a B and group result into 3 groups with names: group "First" is A, group "Second" is "is a" and group "Third" is B.
- d) It searches whether the input string has exatcly one "I" followed by 10 or more "like" followed by 1 or 2 "you". An example can be: