Python advance assignment 17:

Q1) differences in syntax/character change required:

‘my’ extra in non greedy string

“(k.\*s)(.\*)$” in greedy against “.\*?\s(.\*)” in non greedy for matching.

Q2) greedy will try to match as many repetitions as possible while non greedy will try to match as few as possible. Use greedy and take only few repetitions.

Q3 & Q4) non tagged groups improves performance as regex engines need not keep track of text matted by non capturing groups. Also, non capturing groups can be added to regex without changing the numbering of capturing groups in regex.

Q5) lookahead ensures that output generated is proper word and not incorrect word. For example, my name “Vinay” would be printed using lookahead even though “Vinay” may be followed by j as “Vinayj”. Without lookahead, “Vinayj” would be printed. Thus, lookahead ensures that “Vinay” is not followed by “j”.

Q6) negative lookahead is opposite of lookahead. It ensures that the word is not followed by <lookahead\_regex>.

Q7) information can be retrieved through both ways, by number or by name of group if group is given a name.

Q9) scanner also returns information about the matching part of string.

Q10) No, it need not be named scanner.