Python basic assignment 7:

Q1) re.compile feature.

Q2) Raw strings are used so that backslashes need not be escaped.

Q3) Return value is matched object if there is a match. If there is no match, none value is returned.

Q4) group() method returns strings of matched objects.

Q5) group 0 shows the entire match. Group 1 shows first set of parentheses. Group 2 shows second set of parentheses.

Q9) | - either or

Q10) + - one or more occurrences, \* - 0 or more occurrences.

Q11) {4} represents exact number while {4,5} represents range of numbers from minimum to maximum.

Q12) \d - whole numbers from 0 to 9

\w - word character

\s - whitespace character (space, tab, new line)

Q13) \D - non digit character

\S - non space character

\W - nonword character

Q14) .\* - 0 or more of any character

.\*? - prevents overmatching

Q15) re.compile(r’\w’)

Q16) re.IGNORECASE

Q17) dot character matches everything except newline character. re.DOTALL matches everything including newline character.

Q20) re.compile(r’,\d\d\d’)

Q22) re.compile(r’(Alice|Bob|Carol)\s(eats|pets|throws)\s(apples|cats|baseballs)\.$’)