Assignment\_7

1. The re.compile() function returns Regex objects.

2. Raw strings are used so that backslashes do not have to be escaped.

3. The search() method returns Match objects.

4. The group() method returns strings of the matched text.

5. Group 0 is the entire match, group 1 covers the first set of parentheses, and group 2 covers the second set of parentheses.

6. Periods and parentheses can be escaped with a backslash: \., \(, and \).

7. If the regex has no groups, a list of strings is returned. If the regex has groups, a list of tuples of strings is returned.

8. It stands for ‘or’ logical operator.

9. The | character signifies matching "either, or" between two groups.

10. The + matches one or more. The \* matches zero or more.

11.

12. The \d, \w, and \s shorthand character classes match a single digit, word, or space character, respectively.

13. The \D, \W, and \S shorthand character classes match a single character that is not a digit, word, or space character, respectively.

14.

(.\*?) matches any character (.) any number of times (\*), as few times as possible to make the regex match (?).

(.\*)? captures a group zero or one times (?). That group consists of a run of any length (\*) of any character (.).

15. Either [0-9a-z] or [a-z0-9].

16.

Use the (?i) and [optionally] (?-i) mode modifiers.

Put all the variations (i.e. lowercase and uppercase) in the regex - useful if mode modifiers are not supported.

17.

The . character normally matches any character except the newline character. If re. DOTALL is passed as the second argument to re. compile(), then the dot will also match newline characters.

18.

'X drummers, X pipers, five rings, X hen'

19. The re. VERBOSE argument allows you to add whitespace and comments to the string passed to re.

20.

Regex = re.compile(r’\b(?<![\d,])(\d{1,3}(?:(?:,(?:\d{3}))\*))(?![\d,])\b’)

21.

Regex = re.compile(r’\b[A-Z][a-zA-Z]\*\sWatanabe\b’)

22.

regex=re.compile(r'(Alice|Bob|Carol)\s+(eats|pets|throws)\s+(apples|cats|baseballs)\.', re.IGNORECASE)