REGULAR-EXPESSIONS

Answer1 Match only one of the provided set of characters.[aeiou]
Rangs,any one character Part of the range.
[a-z]
[A-Z]
[0-9]
string1="Hello Data Science"
      x=re.findall('[a-z]',string1)
      print(x)
['e', 'l', 'l', 'o', 'a', 't', 'a', 'c', 'i', 'e', 'n', 'c', 'e']

String2="Hello Data Science"

   x=re.findall('[A-Z]',string1)

print(x)

['H','D','S']

String3="Hello Data Science"

X=re.findall('[0-9]',string3)

Print(x)

[] no output in this [0-9]

Answer2 - A RegEx pattern that matches a string that has an a followed by zero or more b's Symbols

"ab*" matches a string that has an 'a' followed by zero or more b's ("ac","abc","abbc",etc.)

Answer3 - A RegEx pattern that matches a string that has an a followed by one or more b's Symbols

"a?b+$" matches any string ending with "ab","abb","abbb"etc. or "b","bb",etc. but not "aab","aabb",etc.

Answer4 - A RegEx pattern that matches a string that has an a followed by zero or one 'b' Symbols

"ab?" there might be a single b ("ac","abc" but not "abbc").

Answer5 - A RegEx pattern in python program that matches a string that has an a followed by three 'b'. Symbols braces{} "ab{3} Matching a string that has an a followed by exactly three b's("abbb").

Answer6 - A RegEx pattern in python program that matches a string that has an a followed by two to three 'b'. Symbols braces{} "ab{2,3} from two to three b's("abb","abbb" but not "aabb","aabbb").

Answer 7 -   A Python program that matches a string that has an 'a' followed by anything, ending in 'b'
Symbols '^'and'$' Matches a string that ends in with "b" like "ab$".

Answer8 - A RegEx pattern in python program that matches a word at the beginning of a string. Symbols '^'and '$' Matches any string that starts with "^ab".

Answer 9 - A RegEx pattern in python program that matches a word at the end of a string. Symbols '*','+', and '?' used a possible "a?b+$" Matches any string ending with"ab","abb","abbb"etc. or "b","bb"etc.but not "abb","aabb" etc

Answer10

Sample text- '01 0132 231875 1458 301 2725.'

Expected output- ['0132', '1458', '2725']

In[] Import re

target_string = '01 0132 231875 1458 301 2725.'

output = re.match(r"/w(4)",target_string)

print(output).