Regular Expression Practice Questions

Question 1- Write a RegEx pattern in python program to check that a string contains only a certain set of characters (in this case a-z, A-Z and 0-9).

Answer 1 – pattern = r'[a-zA-Z0-9]' or r'[\w+]'

Question 2- Write a RegEx pattern that matches a string that has an a followed by zero or more b's

Answer 2 – pattern = r'ab*'

Question 3- Write a RegEx pattern that matches a string that has an a followed by one or more b's

Answer 3 – pattern = r'ab+'

Question 4- Write a RegEx pattern that matches a string that has an a followed by zero or one 'b'.

Answer 4 – pattern = r'ab?'

Question 5- Write a RegEx pattern in python program that matches a string that has an a followed by three 'b'.

Answer 5 – pattern = r'ab{3}'

Question 6- Write a RegEx pattern in python program that matches a string that has an a followed by two to three 'b'.

Answer 6 – pattern = r'ab{2,3}'

Question 7- Write a Python program that matches a string that has an 'a' followed by anything, ending in 'b'.

Answer 7 – pattern = r'a.*b$'

Question 8- Write a RegEx pattern in python program that matches a word at the beginning of a string.

Answer 8 – pattern = r'^\w+'

Question 9- Write a RegEx pattern in python program that matches a word at the end of a string.

Answer 9 – pattern = r'\w+$'

Question 10- Write a RegEx pattern in python program to find all words that are 4 digits long in a string.

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

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

Answer 10 – r'\b\d{4}\b'