**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).

ts="This is a simple string to practice with number 123 and special characters !@#$%."

pattern="[a-zA-z0-9]+"

result=re.findall(pattern,ts)

print(result)

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

import re

ts="ab abb aabb ac abc"

pattern=r"ab\*"

result=re.findall(pattern,ts)

print(result)

import re

string = "Abhi abtak mujhe jp abbhua h woh kehi par bhi nehi aa abbx "

pattern = r'\bab\*'

result = re.findall(pattern, string)

print(result)

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

import re

ts="ab aaa abb abc cad abbccd aab abd "

pattern=r"ab+"

result=re.findall(pattern,ts)

print(result)

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

import re

ts="ab aa bb abb abbb aabbb aab ab aaa abbbbbbcc das ab"

pattern=r"ab?"

result=re.findall(pattern,ts)

print(result)

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

ts="ab aa bb abb abbb aabbb aab ab aaa abbbbbbcc das ab"

pattern=r"ab{3}"

result=re.findall(pattern,ts)

print(result)

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

ts="ab aa bb abb abbb aabbb aab ab aaa abbbbbbcc das ab"

pattern="ab{2,3}"

result=re.findall(pattern,ts)

print(result)

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

ts="Once upon a time in google there is afghd#@b plus the number a12345b aubncx12Sb"

pattern="a[\w]+b"

result=re.findall(pattern,ts)

print(result)

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

ts= "Sachin Tendulkar is the legend of cricket and he is the best batsmen of his era"

pattern="^\w+"

result=re.findall(pattern,ts)

print(result)

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

ts= "Sachin Tendulkar is the legend of cricket and he is the best batsmen of his era"

pattern="\w+$"

result=re.findall(pattern,ts)

print(result)

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']

ts="01 0132 231875 1458 301 2725"

pattern=r'\b\d{4}\b'

result=re.findall(pattern,ts)

print(result)