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).

Ans. – pattern = " [A-Za-z0-9]+ "

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

Ans. – pattern = "ab*"

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

Ans. – pattern = "ab+"

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

Ans. – pattern = "ab? "

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

Ans. – pattern = "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'.

Ans. – pattern = "ab{2,3}"

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

Ans. – def matches(text):

  pattern = "a.*b$"

  if re.search(pattern, text):

    return "Found a match"

  else:

```
    return "Not Matched"
```

```python
print(matches("a12345xyzb"))
print(matches("aa7890%^&_nb"))
print(matches("adatascience4557m"))
```

Found a match

Found a match

Not Matched

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

Ans. – pattern = "^\w+"

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

Ans. – pattern = "\w+$"

      pattern = "\w+\S+$" – (In case if there is any character at the end like .,@,4, etc)

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

Ans. – pattern = "[0-9]{4}" OR pattern = "\d{4}"

Although I'm getting an extra output – My Output - ['0132', '2318', '1458', '2725']