

## Regular Expression Practice Questions

**Import re OR import regex as re**

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).

**Pattern='[a-zA-Z0-9]'**

**Result=re.findall(pattern,string)**

**Print(result)**

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

**Pattern= r'ab\*'**

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

**Pattern=r'ab+'**

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

**Pattern=r'ab?'**

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

**Pattern=r'abbb'**

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

**Pattern=r'abbb?'**

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

**Pattern=r'a.\*b'**

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

```
String='These practice questions are great'
```

```
Result=re.match(r'^These\w*',String) OR Result=re.match(r'^\w+',String)
```

```
print(Result)
```

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

```
String='These practice questions are great'
```

```
Result=re.match(r'\w+$',String)
```

```
print(Result)
```

**Not working for me, it will be appreciate if you can help me with this.**

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']

```
Sample_text='01 0132 231875 1458 301 2725.'
```

```
result=re.findall(r'\b\d{4}\b',Sample_text)
```

```
print(result)
```