

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).

```
r'^[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

```
r'ab*'
```

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

```
r'ab+'
```

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

```
r'ab?'
```

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

```
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'.

```
r'a[bb]{2,3}'
```

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

```
r'a.+b$'
```

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

```
r'^\w+'
```

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

```
r'\b\w+\b$'
```

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']

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

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

```
result = re.findall(pattern, text)
```

```
print(result)
```