Regular Expression Practise question

Ans1- import re

```
def is_allowed_specific_char(string):
    charRe = re.compile( r' [^a-zA-Z0-9]' )
    String = charRe.search(string)
    Return not bool (string)

print (is_allowed_specific_char ( "ABCDEFabcdef123450"))
print (is_allowed_specific_char ( "*&%@#!}{" ))
```

Sample Output: False.

Ans2 - import re

```
def text_match(text) :
        Patterns = '^a( b* )$'
        If re.search ( patterns,  text ):
            return 'Found a match !'
        else:
            return ( ' Not matched ! ')
print ( text_match("ac"))
print ( text_match("abc"))
print ( text_match("a"))
print ( text_match("ab"))
print ( text_match("abb"))
```

Sample Output:

```
Not matched !
Not matched !
Found a matched !
Found a matched !
Found a matched !
```

Ans3- import re

```
def text_match (text) :
        Patterns = 'ab+?'
        if re.search ( patterns,  text ) :
            return 'Found a match !'
        else:
            return( ' Not matched! ')

print ( text_match( "ab" ))
print ( text_match( "abc" ))
```

Sample Output:
Found a match !
Found a match !

Ans4 - import re

```
def text_match(text):
        Patterns = 'ab?'
        If re.search( patterns, text ) :
            return 'Found a match !'
else:
            return( 'Not matched !')

print( text_match( "ab") )
print( text_match( "abc") )
print( text_match( "abbc") )
print( text_match( "aabbc") )
```

Sample Output:

Found a match !
Found a match !
Found a match !
Found a match !

Ans5 - import re

```
def  text_match( text ) :
        patterns = 'ab{3}?'
        If re.search(patterns,  text ):
            return ' Found a match! '
else:
            return( 'Not matched' )

print( text_match( "abbb"))
print( text_match( "aabbbbbc" )
```

Sample Output:

Found a match !
Found a match !

Ans6 - import re

```
def text_match( text ) :
        patterns = 'ab{2,3}'
        if re.search(patterns,  text ):
            return 'Found a match !'
        else:
```

```
                    return ( 'Not matched' )
print(text_match("ab"))
print(text_match("aabbbbbc"))
```

Sample Output:

```
Not matched !
Found a match !
```

Ans7 -

```
import re
def text_match(text):
        patterns = 'a.*?b$'
        if re.search(patterns,  text):
            return 'Found a match!'
        else:
            return('Not matched!')
print(text_match("aabbbbd"))
print(text_match("aabAbbbc"))
print(text_match("accddbbjjjb"))
```

Sample Output:

```
Not matched!
Not matched!
Found a match!
```

Ans8 -

```
import re
def text_match(text):
        patterns = '^\w+'
        if re.search(patterns, text):
            return 'Found a match!'
        else:
            return( 'Not matched!')

print(text_match("The quick brown fox jumps over the lazy dog."))
print(text_match("The quick brown fox jumps over the lazy dog."))
```

Sample Output:

```
Found a match!
Not matched!
```

Ans9 - import re

```
def text_match(text) :
    patterns = '\w+\S*$'
    If re.search(patterns,  text) :
        return  'Found a match !'
    else:
        return('Not matched!')

print(text_match("The quick brown fox jumps over the lazy dog."))
print(text_match("The quick brown fox jumps over the lazy dog. "))
print(text_match("The quick brown fox jumps over the lazy dog." ))
```

Sample Output:

Found a match!
Not matched!
Not matched!

Ans10 - import re

```
text = 'The quick brown fox jumps over the lazy dog.'
print(re.findall(r "\b\w{4,}\b", text))
```

Sample Output:

['quick', 'brown', 'jumps', 'over', 'lazy']