

Regex Practice Question Answer sheet:-

Question: 1

Answer:-

```
import re

my_string = input('enter a string: ')

p = re.compile('[^0-9A-Za-z ]+')

m = p.search(my_string)

if m:

    print('the sting contains', m.group(), 'at place', m.start())

else:

    print('the string contains only digits 0-9 and letters of english alphabet')
```

Question: 2

Answer:-

```
import re

string=input("Enter the string ")

pattern=re.compile("ab*?")

if pattern.fullmatch(string):

    print("string match the pattern: " + string)

else:

    print("String doesn't match")
```

Question: 3

Answer:-

```
import re

string=input("Enter the string ")

pattern=re.compile("ab+")

if pattern.fullmatch(string):

    print("string match the pattern: " + string)

else:

    print("String doesn't match")
```

Question: 4**Answer:-**

```
import re
string=input("Enter the string")
pattern=re.compile("ab??")
if pattern.fullmatch(string):
    print("string match the pattern: " + string)
else:
    print("String doesn't match")
```

Question: 5**Answer:-**

```
import re
string=input("Enter the string")
pattern=re.compile("ab{3}?")
if pattern.fullmatch(string):
    print("string match the pattern: " + string)
else:
    print("String doesn't match")
```

Question: 6**Answer:-**

```
import re
string=input("Enter the string")
pattern=re.compile("ab{2,3}?")
if pattern.fullmatch(string):
    print("string match the pattern: " + string)
else:
    print("String doesn't match")
```

Question: 7**Answer:-**

```
import re

string=input("Enter the string")

pattern=re.compile("a.*?b$")

if pattern.fullmatch(string):

    print("string match the pattern: " + string)

else:

    print("String doesn't match")
```

Question: 8**Answer:-**

```
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."))
```

Question: 10**Answer:-**

```
import re

my_string = input('enter a string ')

m = re.search('^\d{4}$', my_string)

if m:

    print('it\'s a match')

else:
```

```
print('no match found')
```

Question: 9

Answer:-

```
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 "))
```