

### Special Characters in Regex

```
- Period Means Any Character Except New Line
\d

    Digit (0-9)

\D
        - Not a Digit (0-9)
\w
        Word Character (a-z, A-Z, 0-9, _)
\W

    Not a Word Character

۱s

    Whitespace (space, tab, newline)

۱s

    Not Whitespace (space, tab, newline)

\b

    Word Boundary (No characters before it)

\B

    Not a Word Boundary (Has characters before it)

    Begining of a string

$

    End of a string

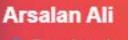
       - Matches characters inside the bracket
[^]

    Not Matches characters inside the bracket

        - Either OR
        Group
--- Quantifiers ---
\*
        - 0 ore more
\+
       - 1 or more
?
       - 0 or 1
{3}

    Exact number of times

{3,4} - Range of numbers
```







### **Fetch Phone Numbers**

```
# Sample TEXT
text = '''
abcdefghijklmnopqurtuvwxyz
coreyms.com
0336-7564851
0301.5672890
0333*1548769
ABCDEFGHIJKLMNOPQRSTUVWXYZ. ^ $ * + ? { } [ ] \ | ( )
111
# Import regex
import re
# Enter the pattern of the phone numbers
pattern = re.compile(r'' \setminus d\{3\}[-.*] \setminus d\{7\}'')
# Search for pattern in the TEXT
matches = pattern.findall(text)
# Loop to get the strings that matched the pattern
for numbers in matches:
    print(numbers)
```

# OUTPUT

0336-7564851

0301.5672890

0333\*1548769



Arsalan Ali

@arslanchaos

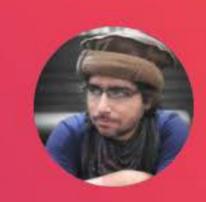


### Fetch Emails

```
# Sample TEXT of emails
emails = '''
CoreyMSchafer@gmail.com
corey.schafer@university.edu
corey-321-schafer@my-work.net
# Import regex
import re
# Create a pattern to match all emails
pattern = re.compile(r''.*a.*(\w|\.)*")
# search for pattern in the TEXT
matches = pattern.findall(emails)
# Loop to get the emails
for email in matches:
    print(email)
# OUTPUT
CoreyMSchafer@gmail.com
```

corey.schafer@university.edu

corey-321-schafer@my-work.net



Arsalan Ali
@arslanchaos

# **Fetch Domain Name**

```
# Sample TEXT with full address
urls =
https://www.google.com
http://coreyms.com
https://youtube.com
https://www.nasa.gov
# Import Regex
import re
# Create a pattern to match entire address
pattern = re.compile(r"https?://(www\.)?(\w+\.\w+)")
# Find pattern in the TEXT
matches = pattern.findall(urls)
# Loop over the entire matches
for domain in matches:
# We've used groups above in patter so print only group 2
    print(domain.group(2))
```

## # OUTPUT

google.com coreyms.com youtube.com nasa.gov





# Ignore Specific Pattern

```
# Sample TEXT with full address
text = '''
cat
mat
rat
bat
111
# Import Regex
import re
# Create a pattern that ignores the name BAT
pattern = re.compile(r"[^b]at")
# Find pattern in the TEXT
matches = pattern.findall(text)
# Loop over the entire matches
for name in matches:
    print(name)
# OUTPUT
cat
mat
rat
```

