

Regular Expressions

13 August 2025

19:20

Regular expressions are used to create an expression to match the pattern in the data.

Eg:

For mail id: @ is mandatory

For mobile number: 10 digits are required

Syntax:

1. [A - Z] : To match 1 character between A to Z.
2. [a - z] : To match 1 character between a to z.
3. [0 - 9] or \d : To match 1 digit between 0 to 9.
4. [A-Z a-z]: To match any 1 character between A to Z or a to z.
5. [A-Z a-z 0-9] : To match any 1 character between A to Z or a to z or 0 to 9.
6. [A-Z]{n}: To match n character between A to Z.
7. [A-Z]{m,n}: To match character in between given range from A to Z .
8. \ : Used to remove the special meaning of the special character(apart from '-' every special character is considered for special meaning.
Eg: *, \#
9. + : To match the pattern from 1 to n characters
10. * : To match the pattern from 0 to n characters
11. ? : Either 0 or 1 character

For getting the data, import re is required.

- i. Finditer(): It is used to get the index of matched record from the data.
Var= re.finditer('pattern', data)
- ii. Findall(): It is used to find all the matched records from the data.
Var=re.findall('pattern', data)

Data=

Join our Regular Expressions workshop on 15th August 2025, from 10:00 AM to 12:00 PM.

For queries, contact +91-9876543210 or email

regex.training@example.com. Learn pattern matching, validation, and text extraction

effectively in Python, JavaScript, and more, with hands-on examples and interactive practice.

Eg:

```
data=""Join our Regular Expressions workshop on 15/08/2025, from 9:00 to 12:00.  
ABCDE1234S  
For queries, contact 9876543210 or email: regextraining@example.com . Learn pattern  
matching gtom www.inter.in, validation, and text extraction  
effectively in Python, JavaScript, and more, with hands-on 14/Aug/2025 examples and  
interactive practice 6789543210 www.qspiders.com.""
```

```
#to find the mobile number  
""  
  
import re  
res=re.findall('[6-9][0-9]{9}',data)  
print(res)  
"  
  
#to find the date  
""  
  
import re  
res=re.findall('[0-9]{2}/[0-9]{2}/[0-9]{4}',data)  
print(res)  
  
import re  
res=re.findall('[0-9]{2}/[A-Z a-z]{3}/[0-9]{4}',data)  
print(res)  
"  
  
#to match time  
""  
  
import re  
res=re.findall('[0-9]{1,2}:[0-9]{2}',data)  
print(res)  
"  
  
#to match website  
""  
  
import re  
res=re.findall('www\.[A-Z a-z]+\.[a-z]{2,3}',data)  
print(res)  
"  
  
#to match email  
""  
  
import re  
res=re.findall('[A-Z a-z 0-9]+@[a-z]+\.[a-z]{2,3}',data)  
print(res)  
"  
  
#to find pan number  
""  
  
import re  
res=re.findall('[A-Z]{5}[0-9]{4}[A-Z]',data)  
print(res)  
"
```