**EXAMPLES ON REGEX**

**#\w**

import re

string = 'hello 12 hi 89. Howdy 34'

pattern = '\w'

result = re.findall(pattern, string)

print(result)

OUTPUT:

['h', 'e', 'l', 'l', 'o', '1', '2', 'h', 'i', '8', '9', 'H', 'o', 'w', 'd', 'y', '3', '4']

**#\W**

import re

string = 'hello 12 hi 89. Howdy 34$'

pattern = '\W'

result = re.findall(pattern, string)

print(result)

OUTPUT:

[' ', ' ', ' ', '.', ' ', ' ', '$']

**#\s**

import re

string = 'hello 12 hi 89. Howdy 34$'

pattern = '\s'

result = re.findall(pattern, string)

print(result)

OUTPUT:

[' ', ' ', ' ', ' ', ' ']

**#\S**

import re

string = 'hello 12 hi 89. Howdy 34$'

pattern = '\S'

result = re.findall(pattern, string)

print(result)

OUTPUT:

['h', 'e', 'l', 'l', 'o', '1', '2', 'h', 'i', '8', '9', '.', 'H', 'o', 'w', 'd', 'y', '3', '4', '$']

**#\d**

import re

string = 'hello 12 hi 89. Howdy 34$'

pattern = '\S'

result = re.findall(pattern, string)

print(result)

OUTPUT:

['1', '2', '8', '9', '3', '4']

**#\D**

import re

string = 'hello 12 hi 89. Howdy 34$'

pattern = '\D'

result = re.findall(pattern, string)

print(result)

OUTPUT:

['h', 'e', 'l', 'l', 'o', ' ', ' ', 'h', 'i', ' ', '.', ' ', 'H', 'o', 'w', 'd', 'y', ' ', '$']

**#\A**

import re

string = 'hello 12 hi 89. Howdy 34$'

pattern = '\Ahello'

result = re.findall(pattern, string)

print(result)

OUTPUT:

['hello']

**#\Z**

import re

string = 'hello 12 hi 89. Howdy'

pattern = 'Howdy\Z'

result = re.findall(pattern, string)

print(result)

OUTPUT:

['Howdy']