In [ ]:

In [1]:

Tom is 21, Roy is 34,Neha is 25, Jay is 70, Joy is 45

*# Regular Expression : Regex*

**def**

:

a

regular

expression

**is**

a

speciala

sequence

of

characters

that

helps

you

to

match

the

syntax

held

**in**

python

**import**

re

nameage

**=**

"""

Tom is 21, Roy is 34,Neha is 25, Jay is 70, Joy is 45

"""

print

(

nameage

)

1

2

3

4

1

2

3

4

5

6

7

In [2]:

*# find only age*

**import**

re

nameage

**=**

"""

Tom is 21, Roy is 34,Neha is 25, Jay is 70, Joy is 45

"""

print

(

nameage

)

age

**=**

re

.

findall

(

r"\d{1,3}"

,

nameage

)

*#Slash*

print

(

age

)

1

2

3

4

5

6

7

8

9

10

11

12

13

Tom is 21, Roy is 34,Neha is 25, Jay is 70, Joy is 45

['21', '34', '25', '70', '45']

In

[3]:

*# find name*

**import**

re

nameage

**=**

"""

Tom is 21, Roy is 34,Neha is 25, Jay is 70, Joy is 45

"""

print

(

nameage

)

names

**=**

re

.

findall

(

r'[A-Z][a-z]\*'

,

nameage

)

print

(

names

)

1

2

3

4

5

6

7

8

9

10

11

Tom is 21, Roy is 34,Neha is 25, Jay is 70, Joy is 45

['Tom', 'Roy', 'Neha', 'Jay', 'Joy']

In

[4]:

*# in dictionary*

**import**

re

nameage

**=**

"""

Tom is 21, Roy is 34,Neha is 25, Jay is 70, Joy is 45

"""

print

(

nameage

)

age

**=**

re

.

findall

(

r"\d{1,3}"

,

nameage

)

*#Slash*

names

**=**

re

.

findall

(

r'[A-Z][a-z]\*'

,

nameage

)

blankdict

**=**

{}

count

**=**

0

**for**

i

**in**

names

:

blankdict

[

i

]

**=**

age

[

count

]

count

**+=**

1

print

(

"Data "

,

blankdict

)

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Tom is 21, Roy is 34,Neha is 25, Jay is 70, Joy is 45

Data {'Tom': '21', 'Roy': '34', 'Neha': '25', 'Jay': '70', 'Joy': '45'}

**Match and search in regular Expression**

In [6]:

Enter your subject : java

*# Search : Search i any character start to searching*

**import**

re

name

**=**

input

(

"Enter your subject : "

)

**if**

re

.

search

(

name

,

"python java PHP C C++ android"

):

print

(

"Search Found!"

)

**else**

:

print

(

"Search not Found"

)

1

2

3

4

5

6

7

8

9

10

Search Found!

In [7]:

Enter your subject : kotlin

**import**

re

name

**=**

input

(

"Enter your subject : "

)

**if**

re

.

search

(

name

,

"python java PHP C C++ android"

):

print

(

"Search Found!"

)

**else**

:

print

(

"Search not Found"

)

1

2

3

4

5

6

7

Search not Found In [1]:

Enter your subject : html

*# Match : Only start first character to match not any one character*

**import**

re

name

**=**

input

(

"Enter your subject : "

)

print

(

re

.

match

(

name

,

"java python oracle C C++ kotlin"

))

1

2

3

4

5

6

None In [2]:

Enter your subject : oracle

**import**

re

name

**=**

input

(

"Enter your subject : "

)

print

(

re

.

match

(

name

,

"java python oracle C C++ kotlin"

))

1

2

3

4

None In [ ]:

1