

search(srch\_wrd,msg) match(srch\_wrd,msg) sub(old\_str,new\_str,msg,count) findall(pattern,str)

r'[w.]+@[w.-]+' - Email ID r'[a-zA-Z]+\d+' - Any charcter followed by space and a digit

In [3]:

```
1 #Program to check if the string has at least one vowel
2 import re
3 msg = input()
4 srch = r'[aeiouAeiou]'
5 k = re.findall(srch,msg)
6 #findall - Return a list of all non-overlapping matches in the string.
7 if re.findall(srch,msg):
8     print("Yeah, vowel is present")
9 else:
10    print("No, vowel isnt present")
11 print(k)
```

Arjun  
Yeah, vowel is present  
['A', 'u']

write a program that prints only words start with vowels

In [8]:

```
1 msg = input()
2 #msg = "Hello welcome to SRET, She is attending python class"
3 srch = r'\b[aeiouAEIOU]\w+'
4 re.findall(srch,msg)
```

Hello All!!

Out[8]:

['All']

write a program to extract a date from a given string

In [13]:

```
1 msg = input()
2 srch = r'\d{2}-(\d{2})-\d{4}'
3 a = re.findall(srch,msg)
4 print("Employee date of joining is:",a)
```

Nirmala 20-10-2010  
Employee date of joining is: ['10']

In [14]:

```
1 #write a program to print the pair of the word
2 msg = "Python classes going well"
3 p = r'\w\w'
4 re.findall(p,msg)
```

Out[14]:

```
[' cl', ' go', ' we']
```

In [16]:

```
1 msg = "Python Classes Going well"
2 p = r'[(C|W)]\w+'
3 re.findall(p,msg)
```

Out[16]:

```
['Classes']
```

In [44]:

```
1 #Extract the word starting with c and end with e
2 msg = input()
3 p = r'\bc\S+e\b'
4
5 re.findall(p,msg)
```

Class clue city cite

Out[44]:

```
['clue', 'cite']
```

In [ ]:

```
1
```

In [ ]:

```
1
```