Name Validation

In [1]:
```python
1  pattern = "[A-Z][A-Za-z]{0,15}[.]{0,1}[ ][A-Z][A-Za-z]{0,15}[ ]{0,1}[A-Z]{0,
2  name = input()
3  import re
4  re.match(pattern,name)
5
```

M Srilalitha

Out[1]: <re.Match object; span=(0, 12), match='M Srilalitha'>

In [2]:
```python
1  p1 ="[a-z][a-z0-9]{0,30}[.-_]{0,1}[a-z0-9]{1,10}[@][a-z]{4,8}[.][a-z]{2,4}"
2
```

In [7]:
```python
1  p1="[a-z]{4,15}[.-_]{0,1}[a-z]{1,15}[0-9]{0,9}[@][a-z]{4,8}[.][a-z]{2,4}"
2  re.match(p1,"reddibasha.cheruvu@gmail.com")
```

Out[7]: <re.Match object; span=(0, 28), match='reddibasha.cheruvu@gmail.com'>

```
1  #### File Handling
2
3  - All the data in a file is in str format
4  - every file in file handling have an extension **.txt**
5
6  **Process**
7
8  1. Open a file
9  2. Do the opeations
10 3. Closing a file
11
12 **Methods**
13 1. read
14 2. write
15
16 **Modes**
17 1. r (read)
18 2. w (write)
19 3. a (append)
20
```

In [8]:
```python
1  f = open("data.txt","r")
2  print(f.read())
3  f.close()
```

This is my first file
This is second line
This is new

```
In [9]:  1  f = open("data1.txt","r")
         2  print(f.read())
         3  f.close()
```

```
---------------------------------------------------------------------------
FileNotFoundError                         Traceback (most recent call last)
<ipython-input-9-07ed8f289d19> in <module>
----> 1 f = open("data1.txt","r")
      2 print(f.read())
      3 f.close()

FileNotFoundError: [Errno 2] No such file or directory: 'data1.txt'
```

```
In [10]:  1  f = open("data1.txt","w")
          2  f.write("This is my second file"+"\n")
          3  f.close()
```

```
In [ ]:  1
```