Chap.- 7 Module & Directiories

- ## Import Module Methods
  - ### import file (filename.___)
  - ### import file as d (d.___)
    - **(d is short variable)**
  - ### from file import * (___)

In [ ]:
```
import demo
demo.mod1("R") # hello R
print(demo.A) # 10
```

In [ ]:
```
import demo as d
d.mod1('R') # hello R
print(d.A) # 10
```

In [ ]:
```
from demo import *
mod1('R') # hello R
print(A) # 10
```

P.b.- 524

In [ ]:
```
import pb_524 as p
p.st("Heyy This is Romil")

# Output :
# HEYY THIS IS ROMIL
# heyy this is romil
# Heyy this is romil
# False
# False
```

In [ ]:
```
# pb_524.py (Module)

def st(a):
    print(a.upper())
    print(a.lower())
    print(a.capitalize())
    print(a.isupper())
    print(a.islower())
```

P.b.- 525

In [ ]:
```python
from pb_525 import *
cal(5,10)

# Output :
# Summation is : 15
# Subtraction is : -5
# Multiplication is : 50
# Division is : 0.5
# Modulo is : 5
# Exponent is : 9765625
```

In [ ]:
```python
# pb_525.py (Module)
def cal(a, b):
    print("Summation is :", a+b)
    print("Subtraction is :", a-b)
    print("Multiplication is :", a*b)
    print("Division is :", a/b)
    print("Modulo is :", a%b)
    print("Exponent is :", a**b)
```

P.b.- 527

In [ ]:
```python
import pb_527 as p
p.st('Hello Good Morning') # Hello
```

In [ ]:
```python
# pb_527.py (Module)

def st(s):
    l = s.split(" ")
    print(l[0])
```

Inbuilt Module

- **import os**
- **r stands for raw string (if str has \n = without error)**

In [ ]:
```python
import os

print(os.getcwd()) # C:\Users\LJENG\Romil Monpara
# current working directory
```

In [ ]:
```python
import os

os.chdir(r"C:\Users\LJENG\Desktop") # change working directory
print(os.getcwd()) # C:\Users\LJENG\Desktop
```

In [ ]:
```
import os

os.mkdir("RK")
print(os.getcwd()) # C:\Users\LJENG\Desktop
```

In [ ]:
```
import os

os.chdir(r"C:\Users\LJENG\Desktop")
os.rmdir("RK")
```

In [ ]:
```
os.mkdir(r"C:\Users\LJENG\.ipynb_checkpoints\RK")
```

In [ ]:
```
import os

print(os.listdir())
# ['desktop.ini', 'fsd_c4', 'fsd_c4.rar', 'MongoDB', 'MongoDB.zip', 're
```

In [ ]:
```
import os

os.mkdir(r"C:\Users\LJENG\Desktop\RK")
```

In [ ]:
```
import os

os.remove(r"C:\Users\LJENG\Desktop\RK\aa.txt")
```

In [ ]:
```
# mod1.py (Module)

A = 10
B = 20

def demo():
    print('mod1')

# mod2.py (Module)

A = 500
B = 600

def demo():
    print('mod2')
```

In [ ]:
```
import mod1
import mod2

A = 'Python'
B = 'Java'

print(A) # Python
print(mod1.A) # 10
print(mod2.B) # 600

mod1.demo() # mod1
mod2.demo() # mod2
```

- **More than One module is imported using (from) then last defined module is Considered.**

In [ ]:

```
from mod1 import *
from mod2 import *

A = 'Python'
B = 'Java'

print(A) # Python
print(B) # Java

print(A) # Python
print(B) # Java

demo() # mod2
demo() # mod2
```

In [ ]:

```

```