# Assignmnet submitted by: Ashwin Dubey

## 1. Importing important Libraries

```python
In [1]: import os
        import time
        from threading import *
        import shutil
        from threading import Thread
        from time import sleep
        import threading
```

## 2. Making a file with the name as 'Processing','Queue','Process'

In [2]:
```python
# Creating a folders
path1='B:\Bilateral files\Processing'

try:
    os.makedirs(path1)
    print('folder created')

except FileExistsError:
    print('File Already exist')


path2='B:\Bilateral files\Queue'
try:
    os.mkdir(path2)
    print('folder created')

except FileExistsError:
    print('File Already exist')

path3='B:\Bilateral files\Process'
try:
    os.mkdir(path3)
    print('folder created')

except FileExistsError:
    print('File Already exist')
```

```
File Already exist
File Already exist
File Already exist
```

## 3. Making a thrade of 3 program running one at a time

In [14]:
```python
class first(Thread):
    def run(self):
        for i in range(10):
            text=open('B:\\Bilateral files\\Processing\\new.txt','w+')
            text.close()
            sleep(2)

class second(Thread):
    def run(self):
        #for i in range(10):
            shutil.move ('B:\\Bilateral files\\Processing\\new.txt','B:\\Bilateral files\\Queue\\new.txt')
            sleep(0.1)


class third(Thread):
    def run(self):
        #for i in range(10):
            shutil.move ('B:\\Bilateral files\\Queue\\new.txt','B:\\Bilateral files\\Process\\new.txt')
            sleep(0.1)


f1=first()
f2=second()
f3=third()


f1.start()
f1=threading.Timer(1,first)
sleep(2)


f2.start()
f2=threading.Timer(1,second)
sleep(2)


f3.start()
f3=threading.Timer(1,third)
sleep(2)
```

*This program is making a three folder (Processing, Queue, Process). In the Processing folder the 'new.txt' file is creating and and it moving into Queue folder in the given time period. From the Queue folder the 'new.txt' file is moving to Process folder. There it is a loop for the text file in processing part but the 'new.txt' file is not furthewr to the Queue folder.*