## **Assessment Report**

### **Parth Tiwari**

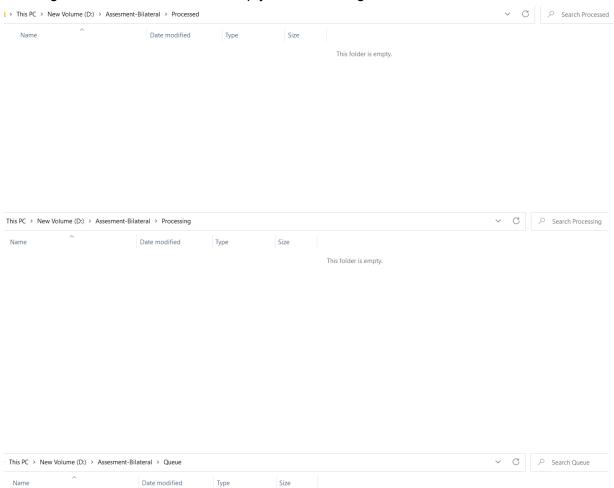
I have Created A total OF 60 Files and Showed their processing below.

### Code:

```
import os
import time
import shutil
import pymongo
from pymongo import MongoClient
#Initiating mongoDb
client = MongoClient('mongodb://127.0.0.1:27017/')
#Creating database with name Assesment
db = client['Assesment']
#Creating Collection
C1 = db.record
#Defining Path
processing path = 'D:\Assesment-Bilateral\Processing'
queue path = 'D:\Assesment-Bilateral\Queue'
processed path = 'D:\Assesment-Bilateral\Processed'
for i in range(1,61):
  filename = "File" + str(i)+".txt"
  C1.insert one({"file number":i,"Processed or not": 0})
  with open(os.path.join(processing_path,filename),"w+") as f:
     pass
  time.sleep(1)
  if(i\%5==0):
    files = os.listdir(processing_path)
    for j,file in enumerate(files):
       #moving file from processing folder to queue
       shutil.move(processing_path + "/" + file,queue_path + "/" + file)
       if ((j+1)\%5 == 0):
          file_in_queue = os.listdir(queue_path)
```

```
for queuefile in file_in_queue:
    time.sleep(1)
    shutil.move(queue_path + "/" + queuefile, processed_path + "/" +queuefile)
#Updating mongoDB Collection for processed to 1
C1.update({"Processed or not": 0},{"$set":{"Processed or not": 1}})
```

### Showing All The three Folders are empty before running the Code.



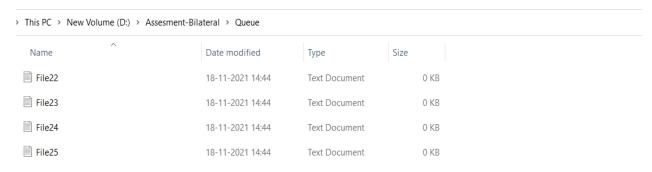
This folder is empty.

# After Running the code: Processing Folder:

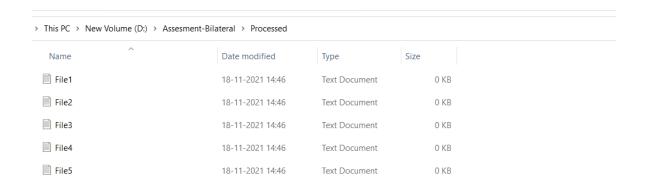
>	This PC	>	New Volume (D:)	>	Assesment-Bilateral	>	Processing
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Name	^	Date modified	Туре	Size
File6		18-11-2021 14:41	Text Document	0 KB
File7		18-11-2021 14:41	Text Document	0 KB
File8		18-11-2021 14:41	Text Document	0 KB
File9		18-11-2021 14:41	Text Document	0 KB
File10		18-11-2021 14:41	Text Document	0 KB

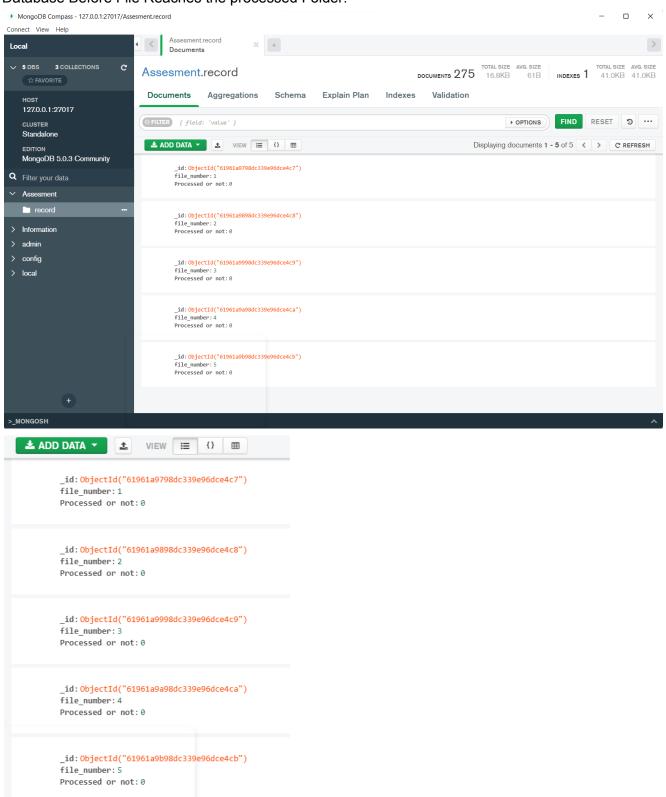
### Queue Folder:



### Processed Folder:



#### Database Before File Reaches the processed Folder:



### Database After File Reaches the processed Folder:

