Assessment Report

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

Code:

```python
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.

Name	Date modified	Type	Size

This PC > New Volume (D:) > Assesment-Bilateral > Processed

Search Processed

This folder is empty.

This PC > New Volume (D:) > Assesment-Bilateral > Processing

Search Processing

Name	Date modified	Type	Size

This folder is empty.

This PC > New Volume (D:) > Assesment-Bilateral > Queue

Search Queue

Name	Date modified	Type	Size

This folder is empty.

After Running the code:
Processing Folder:

Name	Date modified	Type	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:

This PC > New Volume (D:) > Assesment-Bilateral > Queue

Name	Date modified	Type	Size
File22	18-11-2021 14:44	Text Document	0 KB
File23	18-11-2021 14:44	Text Document	0 KB
File24	18-11-2021 14:44	Text Document	0 KB
File25	18-11-2021 14:44	Text Document	0 KB

Processed Folder:

This PC > New Volume (D:) > Assesment-Bilateral > Processed

Name	Date modified	Type	Size
File1	18-11-2021 14:46	Text Document	0 KB
File2	18-11-2021 14:46	Text Document	0 KB
File3	18-11-2021 14:46	Text Document	0 KB
File4	18-11-2021 14:46	Text Document	0 KB
File5	18-11-2021 14:46	Text Document	0 KB

Database Before File Reaches the processed Folder:

MongoDB Compass - 127.0.0.1:27017/Assesment.record — □ ×

Connect View Help

Local

◀ ◀
Assesment.record
Documents
✕
+
▶

5 DBS **3 COLLECTIONS** C

☆ FAVORITE

Assesment.record

DOCUMENTS 275 TOTAL SIZE 16.8KB AVG. SIZE 61B INDEXES 1 TOTAL SIZE 41.0KB AVG. SIZE 41.0KB

HOST
127.0.0.1:27017

Documents   Aggregations   Schema   Explain Plan   Indexes   Validation

CLUSTER
Standalone

🔍 FILTER { field: 'value' } ▸ OPTIONS **FIND** RESET ↺ ⋯

EDITION
MongoDB 5.0.3 Community

⬇ ADD DATA ▾ ⬆ VIEW ☰ {} ▦ Displaying documents **1 - 5** of 5 ‹ › C REFRESH

🔍 Filter your data

∨ Assesment

📁 record ⋯

_id: ObjectId("61961a9798dc339e96dce4c7")
file_number: 1
Processed or not: 0

> Information
> admin
> config
> local

_id: ObjectId("61961a9898dc339e96dce4c8")
file_number: 2
Processed or not: 0

_id: ObjectId("61961a9998dc339e96dce4c9")
file_number: 3
Processed or not: 0

_id: ObjectId("61961a9a98dc339e96dce4ca")
file_number: 4
Processed or not: 0

+

_id: ObjectId("61961a9b98dc339e96dce4cb")
file_number: 5
Processed or not: 0

>_MONGOSH ∧

⬇ ADD DATA ▾ ⬆ VIEW ☰ {} ▦

_id: ObjectId("61961a9798dc339e96dce4c7")
file_number: 1
Processed or not: 0

_id: ObjectId("61961a9898dc339e96dce4c8")
file_number: 2
Processed or not: 0

_id: ObjectId("61961a9998dc339e96dce4c9")
file_number: 3
Processed or not: 0

_id: ObjectId("61961a9a98dc339e96dce4ca")
file_number: 4
Processed or not: 0

_id: ObjectId("61961a9b98dc339e96dce4cb")
file_number: 5
Processed or not: 0

Database After File Reaches the processed Folder:

Task Completed.