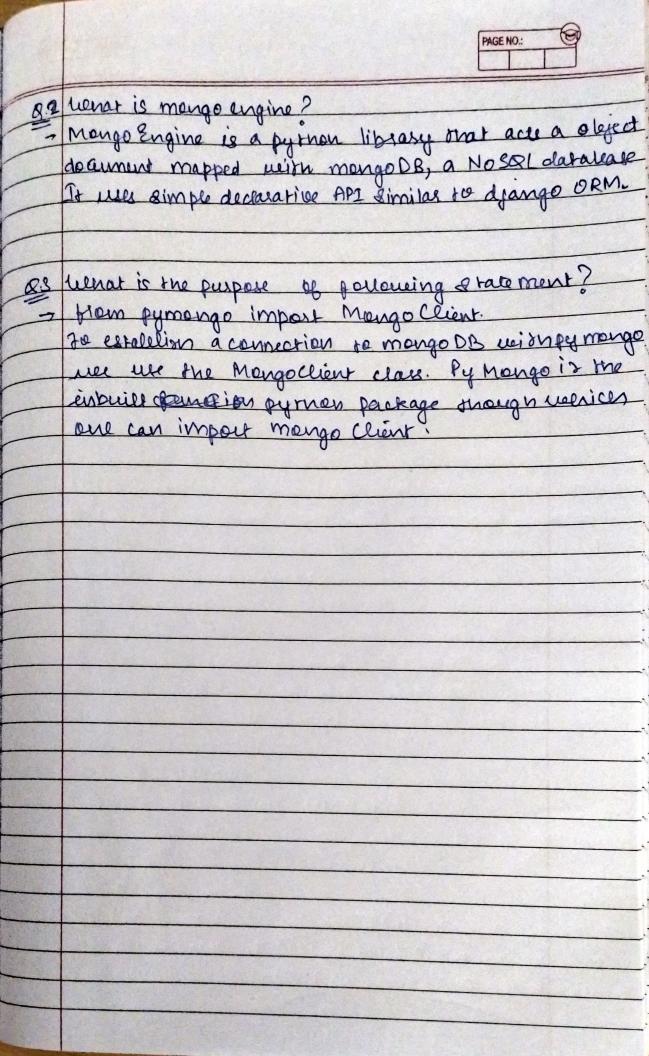
	NAME: - DNYANG BAGLA C.
	DANFL: C PL-33 FINAL YEAR BJECH.
	C-3 PAGE NO. 19
	BDA LAB ASSIGN MANT-3
_	AIM: Kelyoum database connectivity usion mountaines
	Dackens and any grantend from Prippymon Java.
	9 0 minitial days
	DEJECTIVE:
•	To leasn connectivity of morando as promoted and D.
	Nava as frontend.
	de execute CRUP operations.
	THEORY'
(C)	
— U	Introduction to Pymongo:
	Py mongo is a pyrnen airribution menica provide
	toole to work with mongods, it is most prepend way
	to compect with mongodo datalease grom pyrnon.
0	
(10)	Estabolining comnection's
	We use margorlient instance and specific daraliage name.
	To data wate doesn't exist it will create it and connect
	it your pymongo import Margo Client.
	client = Mongo Client (" Local nost", 27017)
	The above code will connect so default next exert.
	A BEAUCH AND MENON AND STORE LEADING OF WORLD STORE
(3)	Accessing database:
	db = client['datamap']
	in py mongo dictionaries are used to represent documents
	Retaileing
G	Describing decumente:
	Lindone Returns a single document matching query as one
	is it doesn't exists, it geturns first mater for sinding
	all documents in collection using one find memod.
	The state of the s

	PAGE NO:
(E)	document:
	documents can be updated using update-ovel) fish
32/4	pasamely taken by mie Bunction is a guery of
	parameter taken by mie function is a query of alefining document to be updated. If melease more to be shen only the first one is updated.
-	
(E)	recoing document:
	insert de linear oneco metrod worm document is
	inserted a special key-id is generated and is unique
15	
	Deliting document:
	delote one dis used to delete one document in mongodo me first parameter for this memed is quy eleject.
200	eleget.
(8:	Dropping a collection:
250	db. collection name. de opt)
	And the party of the said the said survey of the said
*	INPUT: Pyrnen program to do CRUD operations por suitable application.
4	DUTPUT: - Successfull execution of CRUD operation using
	pythan as grantend and pymango as backend.
	FAQ'S:-
	the state of the s
0.	What is pymongo?
	> Rymango is a pyrnon distribution containing sode
EX.	for wear king with Mongo DB and is recommend way to
	The state of the s

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NAME:- Divyang Bagla
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PANEL:- C

ROLL NO.:- PC33

SUBJECT:- BDA

LAB ASSIGNMENT - 3

In [2]:

```
from pymongo import MongoClient
```

In [3]:

```
client = MongoClient('localhost',27017)
# create database
db = client.post_data
```

In [4]:

```
# create collections and insert documnets
posts = db.posts

post_1 = {
    'title': 'Interstellar',
    'genre': 'Sci-fi',
    'director': 'Christopher Nolan'
}
post_2 = {
    'title': 'Reservoir Dogs',
    'content': 'Drama',
    'director': 'Quentin Tarantino'
}
new_result = posts.insert_many([post_1,post_2])
print('Multiple posts: {0}'.format(new_result.inserted_ids))
```

Multiple posts: [ObjectId('615802577eb95ee4480e904d'), ObjectId('615802577eb 95ee4480e904e')]

In [5]:

```
posts.count_documents({})
```

Out[5]:

2

```
In [14]:
#find one
bills_posts = posts.find_one({'title' : 'Interstellar'})
bills_posts
Out[14]:
{'_id': ObjectId('61574ed7a8512f71979a04e3'),
 'title': 'Interstellar',
 'genre': 'Sci-fi',
 'director': 'Christopher Nolan'}
In [6]:
#update
posts.update_one({'title':'Reservoir Dogs'}, {"$set": {'test_value': 1000}})
Out[6]:
<pymongo.results.UpdateResult at 0x2a35540ea40>
In [8]:
#find all
cursor = posts.find()
In [9]:
for i in cursor:
    print(i)
{'_id': ObjectId('615802577eb95ee4480e904d'), 'title': 'Interstellar', 'genr
e': 'Sci-fi', 'director': 'Christopher Nolan'}
{'_id': ObjectId('615802577eb95ee4480e904e'), 'title': 'Reservoir Dogs', 'co
ntent': 'Drama', 'director': 'Quentin Tarantino', 'test_value': 1000}
In [11]:
newMovie = [
    { "title": "Blade Runner 2049", "genre": "Sci-fi, Action", "director": "Denis Villeneuv
    {"title": "Fight Club", "genre": "Action, Drama", "director": "David Fincher"}
]
posts.insert many(newMovie)
Out[11]:
<pymongo.results.InsertManyResult at 0x2a355416cc0>
```

```
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                                              PyhonAssn3 - Jupyter Notebook
  In [12]:
  for i in posts.find():
      print(i)
  {'_id': ObjectId('615802577eb95ee4480e904d'), 'title': 'Interstellar', 'genr
  e': 'Sci-fi', 'director': 'Christopher Nolan'}
  {'_id': ObjectId('615802577eb95ee4480e904e'), 'title': 'Reservoir Dogs', 'co
  ntent': 'Drama', 'director': 'Quentin Tarantino', 'test_value': 1000}
  {'_id': ObjectId('615804287eb95ee4480e904f'), 'title': 'Blade Runner 2049',
  'genre': 'Sci-fi, Action', 'director': 'Denis Villeneuve'}
  {' id': ObjectId('615804287eb95ee4480e9050'), 'title': 'Fight Club', 'genr
  e': 'Action, Drama', 'director': 'David Fincher'}
  In [13]:
  # delete
  posts.delete_one({'title' : 'Blade Runner 2049' })
  Out[13]:
  <pymongo.results.DeleteResult at 0x2a3553f96c0>
  In [14]:
  for i in posts.find():
      print(i)
  {'_id': ObjectId('615802577eb95ee4480e904d'), 'title': 'Interstellar', 'genr
  e': 'Sci-fi', 'director': 'Christopher Nolan'}
  {'_id': ObjectId('615802577eb95ee4480e904e'), 'title': 'Reservoir Dogs', 'co
  ntent': 'Drama', 'director': 'Quentin Tarantino', 'test_value': 1000}
  {'_id': ObjectId('615804287eb95ee4480e9050'), 'title': 'Fight Club', 'genr
  e': 'Action, Drama', 'director': 'David Fincher'}
  In [18]:
  #sort output
  for i in posts.find().sort("genre"):
      print(i)
  {'_id': ObjectId('615802577eb95ee4480e904e'), 'title': 'Reservoir Dogs', 'co
  ntent': 'Drama', 'director': 'Quentin Tarantino', 'test_value': 1000}
  {' id': ObjectId('615804287eb95ee4480e9050'), 'title': 'Fight Club', 'genr
```

```
localhost:8888/notebooks/Desktop/Final Year B.Tech/T9/BDA/Lab 3/PyhonAssn3.ipynb#PANEL:--C
```

e': 'Action, Drama', 'director': 'David Fincher'}

e': 'Sci-fi', 'director': 'Christopher Nolan'}

In []:

_id': ObjectId('615802577eb95ee4480e904d'), 'title': 'Interstellar', 'genr