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COMP 3421 Exercise Week 8 – Part 2

Step A) Use mongo interactive mode

```
> show dbs
< admin    65.5 kB
  config   73.7 kB
  local     73.7 kB
  test      41 kB
  testDB    73.7 kB

> use sailor
< 'switched to db sailor'

> db.sailors.insertOne({"sid":"1","name":"Sue","age":"22","rating":"7"})
< { acknowledged: true,
    insertedId: ObjectId("60406eca00e61750e00323aa") }

> db.sailors.insertOne({"sid":"2","name":"Mary","age":"25","rating":"5"})
< { acknowledged: true,
    insertedId: ObjectId("60406ee700e61750e00323ab") }
```

```
> db.sailors.find({name:"Sue"})
< { _id: ObjectId("60406eca00e61750e00323aa"),
    sid: '1',
    name: 'Sue',
    age: '22',
    rating: '7' }

> db.sailors.find({name:"Mary"})
< { _id: ObjectId("60406ee700e61750e00323ab"),
    sid: '2',
    name: 'Mary',
    age: '25',
    rating: '5' }
```

Step B) Use pymongo

Code:

```
import pymongo
import pprint
from pymongo import MongoClient

client = MongoClient() #connects on default host

#Creating
db = client.testDB
sailor1 = {"sid": "1", "name": "Sue", "age": "22", "rating": "7"}
sailor2 = {"sid": "2", "name": "Mary", "age": "25", "rating": "5"}
peeps = db.sailors # think of this as "create table", but no need to specifying fields!
peep_id = peeps.insert_one(sailor1).inserted_id
print("\nid returned from insert:" + str(peep_id))
peep_id = peeps.insert_one(sailor2).inserted_id
print("\nid returned from insert:" + str(peep_id))

print("\nOutput from peeps.find():")
for objs in peeps.find():
    pprint.pprint(objs)
```

Output:

```
Database Organization & MGMT/Inclass Exercises/Week8')

id returned from insert:604070cd06c5d186ab497aab

id returned from insert:604070cd06c5d186ab497aac

Output from peeps.find():
{'_id': ObjectId('604070cd06c5d186ab497aab'),
 'age': '22',
 'name': 'Sue',
 'rating': '7',
 'sid': '1'}
{'_id': ObjectId('604070cd06c5d186ab497aac'),
 'age': '25',
 'name': 'Mary',
 'rating': '5',
 'sid': '2'}
```