```
> exit
bye
KevinMikus@oz-ist-linux-fa17-411:~$ cat mongo.py
# Project: Mongo, JSON, and cURL integration using PyMongo
# Purpose Details: Retreive a JSON file from the web and write its key-value pairs to MongoDB
# Course: IST411
# Author: Kevin Mikus
# Date Developed: 9/12/17
# Last Date Changed: 9/12/17
# Rev: 0.1

import sys, urllib.parse, urllib.request, json
from pymongo import MongoClient

try:
        # use urllib to grab json
        url = "https://jsonplaceholder.typicode.com/posts/1/comments"
        urlHandle = urllib.parse.urlparse(url)
        response = urllib.request.urlopen(urlHandle.geturl())
        encoding = response.info().get_content_charset("utf-8")
        payload = response.read().decode(encoding)
        jsonStream = json.loads(payload)
except:
        e = sys.exc_info()[0]
        print("error: {}".format(e))

# use pymongo to write json to mongodb on localhost
client = MongoClient()
db = client.module4
collection = db.payload

for element in jsonStream:
        collection.insert_one(element)
        print("Inserted elementID: ", element["id"])

client.close()

KevinMikus@oz-ist-linux-fa17-411:~$ python3 mongo.py
Inserted elementID:  1
Inserted elementID:  2
Inserted elementID:  3
Inserted elementID:  4
Inserted elementID:  5
KevinMikus@oz-ist-linux-fa17-411:~$ mongo
MongoDB shell version: 3.2.11
connecting to: test
Server has startup warnings:
2017-09-08T17:55:41.511-0400 I CONTROL  [initandlisten]
2017-09-08T17:55:41.511-0400 I CONTROL  [initandlisten] ** WARNING: /sys/kernel/mm/transparent_hugepage/enabled is 'alwa
ys'.
2017-09-08T17:55:41.511-0400 I CONTROL  [initandlisten] **        We suggest setting it to 'never'
2017-09-08T17:55:41.511-0400 I CONTROL  [initandlisten]
> use module4
switched to db module4
> db.payload.find()
{ "_id" : ObjectId("59b83ab7f776875474b9d24b"), "id" : 1, "body" : "laudantium enim quasi est quidem magnam voluptate ip
sam eos\ntempora quo necessitatibus\ndolor quam autem quasi\nreiciendis et nam sapiente accusantium", "email" : "Eliseo@
```

See next page for full MongoDB query output.

```
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sam eos\ntempora quo necessitatibus\ndolor quam autem quasi\nreiciendis et nam sapiente accusantium", "email" : "Eliseo@
gardner.biz", "name" : "id labore ex et quam laborum", "postId" : 1 }
{ "_id" : ObjectId("59b83ab7f776875474b9d24c"), "id" : 2, "body" : "est natus enim nihil est dolore omnis voluptatem num
quam\net omnis occaecati quod ullam at\nvoluptatem error expedita pariatur\nnihil sint nostrum voluptatem reiciendis et"
, "email" : "Jayne_Kuhic@sydney.com", "name" : "quo vero reiciendis velit similique earum", "postId" : 1 }
{ "_id" : ObjectId("59b83ab7f776875474b9d24d"), "id" : 3, "body" : "quia molestiae reprehenderit quasi aspernatur\naut e
xpedita occaecati aliquam eveniet laudantium\nomnis quibusdam delectus saepe quia accusamus maiores nam est\ncum et duci
mus et vero voluptates excepturi deleniti ratione", "email" : "Nikita@garfield.biz", "name" : "odio adipisci rerum aut a
nimi", "postId" : 1 }
{ "_id" : ObjectId("59b83ab7f776875474b9d24e"), "id" : 4, "body" : "non et atque\noccaecati deserunt quas accusantium un
de odit nobis qui voluptatem\nquia voluptas consequuntur itaque dolor\net qui rerum deleniti ut occaecati", "email" : "L
ew@alysha.tv", "name" : "alias odio sit", "postId" : 1 }
{ "_id" : ObjectId("59b83ab7f776875474b9d24f"), "id" : 5, "body" : "harum non quasi et ratione\ntempore iure ex voluptat
es in ratione\nharum architecto fugit inventore cupiditate\nvoluptates magni quo et", "email" : "Hayden@althea.biz", "na
me" : "vero eaque aliquid doloribus et culpa", "postId" : 1 }
>
```