1. Create a database "Todo"

> use Todo

switched to db Todo

2.Insert the exported data into the related collections

// Inserting Status...

> db.status.insert([{"name": "Not started"}, {"name": "In progress"},

{"name": "Done"}])

BulkWriteResult({

"writeErrors" : [ ],

"writeConcernErrors" : [ ],

"nInserted" : 3,

"nUpserted" : 0,

"nMatched" : 0,

"nModified" : 0,

"nRemoved" : 0,

"upserted" : [ ]

})

// Inserting task....

> db.task.insert([{"title":"database002", "description":"Title says it all.", "c

reated":"2017-10-25 06:54:16", "updated":"2017-10-15 13:05:09", "due\_date":""},

... {"title":"Become a billionaire", "description":"This should not take long,

just invent a time machine, travel back to 2010 and buy bitcoin", "created":"201

7-09-26 03:06:46", "updated":"2017-10-08 06:14:31", "due\_date":"2040-02-09 00:00

:00"},

... {"title":"Plan meeting with London office", "description":"We will probably

use skype", "created":"2017-10-04 18:07:37", "updated":"2017-10-14 16:01:31", "

due\_date":"2017-12-05 19:42:15"},

... {"title":"Order groceries online", "description":"The fridge is almost empt

y, we need eggs and milk", "created":"2017-09-20 19:34:43", "updated":"2017-10-1

5 23:35:45", "due\_date":"2017-12-24 16:00:46"},

... {"title":"Empty the mailbox", "description":"", "created":"2017-09-27 15:17

:08", "updated":"2017-10-08 17:31:16", "due\_date":""},

... {"title":"Fix the flat tire on the bike", "description":"Tools are in the g

arage", "created":"2017-09-13 23:16:30", "updated":"2017-10-06 04:03:52", "due\_d

ate":"2017-12-07 11:51:11"},

... {"title":"Wash the car", "description":"", "created":"2017-10-06 19:39:16",

"updated":"2017-10-03 04:49:05", "due\_date":"2017-12-04 17:43:16"},

... {"title":"Walk the dog", "description":"", "created":"2017-09-03 02:47:17",

"updated":"2017-10-12 18:40:08", "due\_date":""},

... {"title":"Write a book", "description":"Maybe something about dragons?", "c

reated":"2017-10-11 06:14:01", "updated":"2017-10-17 12:19:08", "due\_date":"2017

-12-21 20:18:05"},

... {"title":"Do HackYourFuture homework", "description":"", "created":"2017-10

-04 13:55:16", "updated":"2017-10-10 00:18:05", "due\_date":"2017-12-19 17:01:10"

},

... {"title":"Iron shirts", "description":"", "created":"2017-09-23 03:59:58",

"updated":"2017-10-19 08:30:48", "due\_date":"2017-12-08 11:00:35"},

... {"title":"Water the potted plants", "description":"Maybe they need fertiliz

er as well", "created":"2017-09-29 23:38:42", "updated":"2017-10-08 04:24:53", "

due\_date":""},

... {"title":"Buy wine for the birthday party", "description":"Both red and whi

te wine", "created":"2017-10-10 14:57:22", "updated":"2017-10-14 14:03:30", "due

\_date":"2017-12-10 23:43:56"},

... {"title":"Buy gift for Paul", "description":"He could use a shirt or a tie

and some socks", "created":"2017-09-09 05:22:08", "updated":"2017-10-17 15:58:05

", "due\_date":"2017-12-04 20:45:18"},

... {"title":"Change lightbulb in hallway", "description":"Should be an LED bul

b", "created":"2017-10-01 19:07:35", "updated":"2017-10-03 10:02:27", "due\_date"

:"2017-12-08 17:09:03"},

... {"title":"Wash windows", "description":"", "created":"2017-10-02 22:15:17",

"updated":"2017-10-07 22:31:35", "due\_date":"2017-12-06 03:36:09"},

... {"title":"Setup salary databases for accounting", "description":"Use MySQL"

, "created":"2017-10-25 05:35:33", "updated":"2017-10-10 23:22:33", "due\_date":"

2017-12-05 00:19:08"},

... {"title":"Learn how databases work", "description":"", "created":"2017-09-0

6 03:16:47", "updated":"2017-10-10 16:56:58", "due\_date":"2017-12-18 05:08:05"},

... {"title":"Make the databases perform better", "description":"It should be p

ossible to optimize the indexes", "created":"2017-10-03 09:27:20", "updated":"20

17-10-01 16:27:46", "due\_date":"2017-12-01 13:28:35"},

... {"title":"Buy beer for the company party", "description":"2 or 3 cases shou

ld be enough", "created":"2017-10-08 01:39:02", "updated":"2017-10-13 23:07:41",

"due\_date":""},

... {"title":"Knit sweater", "description":"", "created":"2017-09-22 17:14:55",

"updated":"2017-10-08 09:01:35", "due\_date":"2017-12-15 20:33:57"},

... {"title":"Charge electric bicycle", "description":"It sucks to ride it with

out a battery!", "created":"2017-10-10 12:25:07", "updated":"2017-10-07 21:45:01

", "due\_date":"2017-12-10 19:02:17"},

... {"title":"Buy new phone", "description":"The battery in the current one onl

y lasts 5 hours \ud83d\ude1e", "created":"2017-09-17 00:25:34", "updated":"2017-

10-09 11:48:12", "due\_date":""},

... {"title":"Ride bike aroud Sj\u00e6lland", "description":"Remember raincloth

es and tire repair kit!", "created":"2017-10-20 19:21:13", "updated":"2017-10-07

01:38:06", "due\_date":"2017-12-19 15:08:18"},

... {"title":"Look at apartments in \u00d8restad", "description":"2 or 3 rooms"

, "created":"2017-10-30 09:47:00", "updated":"2017-10-19 06:11:26", "due\_date":"

"},

... {"title":"Empty Mr Fluffy's litterbox", "description":"", "created":"2017-0

9-28 03:09:06", "updated":"2017-10-13 10:38:34", "due\_date":"2017-12-20 23:37:18

"},

... {"title":"Buy new dining room table and chairs", "description":"Ikea has so

me on sale", "created":"2017-09-21 12:02:34", "updated":"2017-10-02 02:05:11", "

due\_date":"2017-12-06 00:14:30"},

... {"title":"Renew buscard", "description":"3 zones", "created":"2017-10-07 22

:47:51", "updated":"2017-10-09 15:50:03", "due\_date":"2017-12-01 14:25:40"},

... {"title":"Sign up for linkedin", "description":"Make the CV awesome! \ud83d

\ude04", "created":"2017-09-04 00:57:47", "updated":"2017-10-18 18:07:48", "due\_

date":"2017-12-07 23:04:38"},

... {"title":"Remove facebook from phone", "description":"To avoid interruption

s when working", "created":"2017-10-26 17:15:07", "updated":"2017-10-13 03:36:47

", "due\_date":"2017-12-19 11:10:02"},

... {"title":"Backup databases to external disk", "description":"Remember to st

ore the disk in another physical location", "created":"2017-09-09 17:32:33", "up

dated":"2017-10-01 21:18:59", "due\_date":"2017-12-23 14:21:01"},

... {"title":"Put up the new lamp in the hallway", "description":"", "created":

"2017-10-15 05:45:54", "updated":"2017-10-16 14:05:35", "due\_date":"2017-12-29 0

2:29:26"},

... {"title":"Hang up paintings in living room", "description":"", "created":"2

017-09-10 05:36:11", "updated":"2017-10-09 17:40:42", "due\_date":""},

... {"title":"Buy plane ticket to Auckland", "description":"Check prices online

first!", "created":"2017-09-05 09:07:22", "updated":"2017-10-15 09:36:06", "due

\_date":"2017-12-07 11:10:05"},

... {"title":"Learn about NoSQL databases", "description":"MongoDB, CouchDB, et

c.", "created":"2017-10-20 01:41:53", "updated":"2017-10-04 07:19:56", "due\_date

":"2017-12-23 10:13:42"},

... {"title":"Conquer the World", "description":"By being kind, professional an

d stoic", "created":"2020-02-05 12:57:58", "updated":"2020-02-05 12:58:58", "due

\_date":"2040-02-05 12:57:58"},

... {"title":"Conquer the World", "description":"By being kind, professional an

d stoic", "created":"2020-02-05 12:57:58", "updated":"2020-02-05 12:58:58", "due

\_date":"2040-02-05 12:57:58"},

... {"title":"Database", "description":"to be done", "created":"2020-02-07 14:0

4:12", "updated":"2020-02-07 14:58:58", "due\_date":"2040-02-07 15:09:18"},

... {"title":"Database", "description":"to be done", "created":"2020-02-07 14:0

4:12", "updated":"2020-02-07 14:58:58", "due\_date":"2040-02-07 15:09:18"},

... {"title":"Database", "description":"to be done", "created":"2020-02-07 14:0

4:12", "updated":"2020-02-07 14:58:58", "due\_date":"2040-02-07 15:09:18"},

... {"title":"Database", "description":"to be done", "created":"2020-02-07 14:0

4:12", "updated":"2020-02-07 14:58:58", "due\_date":"2040-02-07 15:09:18"}]

... )

BulkWriteResult({

"writeErrors" : [ ],

"writeConcernErrors" : [ ],

"nInserted" : 41,

"nUpserted" : 0,

"nMatched" : 0,

"nModified" : 0,

"nRemoved" : 0,

"upserted" : [ ]

})

>

// inserting user

db.user.insert([{"name": "Aarika Ellingworth", "email": "aellingworth0@harvard.edu", "phone": "483-396-8795"},

{"name": "Pren Goldsworthy", "email": "pgoldsworthy1@spotify.com", "phone": "635-572-8467"},

{"name": "Pablo Kisbee", "email": "pkisbee2@lulu.com", "phone": "790-962-8683"},

{"name": "Rodie Duncan", "email": "rduncan3@quantcast.com", "phone": "646-743-6191"},

{"name": "Aubry Polak", "email": "apolak4@indiatimes.com", "phone": "302-678-7931"},

{"name": "Maryrose Meadows", "email": "mmeadows5@comcast.net", "phone": "251-524-6594"},

{"name": "Pavel Brushneen", "email": "pbrushneen6@techcrunch.com", "phone": "316-170-3640"},

{"name": "Hedy Gerault", "email": "hgerault7@nymag.com", "phone": "176-177-5579"},

{"name": "王秀英", "email": "wang.xiuying@weebly.com", "phone": "891-952-6749"},

{"name": "إلياس", "email": "elias@github.com", "phone": "202-517-6983"},

{"name": "Donald Duck", "email": "donald@duck.com", "phone": null}])

// 3.Find the length of each collection using db."collection\_name".find().length()

db.status.find().length()

3

> db.task.find().length()

41

> db.user.find().length()

12

// 4.Return the first document of tasks collection using .limit()

> db.task.find().limit(1).pretty();

"\_id" : ObjectId("5e4c68d5d939104feaa1aa0c"),

"title" : "database002",

"description" : "Title says it all.",

"created" : "2017-10-25 06:54:16",

"updated" : "2017-10-15 13:05:09",

"due\_date" : ""

}

// 5.Return the third document of the task collection using .skip() and .limit()

> db.task.find().limit(1).skip(2).pretty()

"\_id" : ObjectId("5e4c68d5d939104feaa1aa0e"),

"title" : "Plan meeting with London office",

"description" : "We will probably use skype",

"created" : "2017-10-04 18:07:37",

"updated" : "2017-10-14 16:01:31",

"due\_date" : "2017-12-05 19:42:15"

}

// 6.Find the documents which "description" is "learning Danish during physical working" using .find({condition})

> db.task.find({description: "learning Danish during physical working" })