**1.Task 1**: Load the transaction history data (card\_transactions.csv) in a NoSQL database which is MongoDB (card\_transactions.csv will be given to you - you only need to load the data in the MongoDB database)

## **Create DB**

```
use CREDIT CARD DB
switched to db CREDIT CARD DB
 show dbs
AMONGUS
         0.001GB
         0.000GB
admin
         0.000GB
config
         0.000GB
graded1
         0.000GB
graded2
graded3
         0.000GB
local
         0.000GB
practice 0.000GB
products 0.000GB
```

## **Create Collection for card\_transactions**

```
> db
CREDIT_CARD_DB
> show collections
> db.createCollection("card_transactions")
{ "ok" : 1 }
```

## Loaded 53292 records into the card\_transactions collection

```
C:\Program Files\MongoDB\Server\5.0\bin>mongoimport --db CREDIT_CARD_DB --collection card_transactions --type csv --file "C:\Users\Jagad\MS Program\Assignments\CapstoreProject_1stYearProject\card_tr
ansactions.csv" --headerline
2022-11-12T19:44:31.921-0500 connected to: mongodb://localhost/
2022-11-12T19:44:32.495-0500 53292 document(s) imported successfully. 0 document(s) failed to import.
C:\Program Files\MongoDB\Server\5.0\bin>
```

## Loaded 53292 records into the card\_transactions collection

```
> use CREDIT_CARD_DB
switched to db CREDIT_CARD_DB
> show collections
card_transactions
> db.card_transactions.count()
53292
>
```

```
db.card transactions.find()
 " id" : ObjectId("63703defcdb333a05557d1ef"), "card id" : NumberLong("348702330256514"), "member id" : NumberLong("37495066290"), "amount" : 9084849, "postcode" : 33946, "pos id" : NumberLong("6146
77375609919"), "transaction dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 " id": ObjectId("63703dercdb333a05557d1f0"), "card id": NumberLong("348702330256514"), "member id": NumberLong("37495066290"), "amount": 330148, "postcode": 33946, "pos id": NumberLong("61467
7375609919"), "transaction dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 __id" : ObjectId("63703defcdb333a05557d1f1"), "card_id" : NumberLong("348702330256514"), "member_id" : NumberLong("37495066290"), "amount" : 136052, "postcode" : 33946, "pos_id" : NumberLong("61467")
375609919"), "transaction_dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 " id" : ObjectId("63703defcdb333a05557d1f2"), "card id" : NumberLong("348702330256514"), "member id" : NumberLong("37495066290"), "amount" : 9097094, "postcode" : 33946, "pos id" : NumberLong("6146
.
77375609919"), "transaction_dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 " id" : ObjectId("63703de-cdb333a05557d1f3"), "card id" : NumberLong("348702330256514"), "member id" : NumberLong("37495066290"), "amount" : 2291118, "postcode" : 33946, "pos id" : NumberLong("6146
.
77375609919"), "transaction dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 " id" : ObjectId("63703defcdb333a05557d1f4"), "card id" : NumberLong("348702330256514"), "member id" : NumberLong("37495066290"), "amount" : 4900011, "postcode" : 33946, "pos id" : NumberLong("6146
7375609919"), "transaction dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 " id" : ObjectId("63703de-cdb333a05557d1f5"), "card id" : NumberLong("348702330256514"), "member id" : NumberLong("37495066290"), "amount" : 633447, "postcode" : 33946, "pos id" : NumberLong("61467
375609919"), "transaction_dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 " id" : ObjectId("63703defcdb333a05557d1f6"), "card id" : NumberLong("348702330256514"), "member id" : NumberLong("37495066290"), "amount" : 6259303, "postcode" : 33946, "pos id" : NumberLong("6146
77375609919"), "transaction_dt": "11-02-2018 00:00", "status": "GENUINE" }
( "_id": ObjectId("63703defcdb333a05557d1f7"), "card_id": NumberLong("348702330256514"), "member_id": NumberLong("37495066290"), "amount": 369067, "postcode": 33946, "pos_id": NumberLong("61467
375609919"), "transaction_dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 __id" : ObjectId("63703defcdb333a05557d1f8"), "card_id" : NumberLong("348702330256514"), "member_id" : NumberLong("37495066290"), "amount" : 1193207, "postcode" : 33946, "pos_id" : NumberLong("6146")
77375609919"), "transaction_dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 " id" : ObjectId("63703defcdb333a05557d1f9"), "card id" : NumberLong("348702330256514"), "member id" : NumberLong("37495066290"), "amount" : 4310362, "postcode" : 33946, "pos id" : NumberLong("6146
77375609919"), "transaction dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 " id" : ObjectId("63703defcdb333a05557d1fa"), "card id" : NumberLong("348702330256514"), "member id" : NumberLong("37495066290"), "amount" : 9335696, "postcode" : 33946, "pos id" : NumberLong("6146
77375609919"), "transaction dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 " id": ObjectId("63703de-cdb333a05557d1fb"), "card id": NumberLong("348702330256514"), "member id": NumberLong("37495066290"), "amount": 2241736, "postcode": 33946, "pos id": NumberLong("6146")
77375609919"), "transaction_dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
{ "_id" : ObjectId("63703defcdb333a05557d1fc"), "card_id" : NumberLong("348702330256514"), "member_id" : NumberLong("37495066290"), "amount" : 457701, "postcode" : 33946, "pos_id" : NumberLong("61467")
7375609919"), "transaction_dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 " id" : ObjectId("63703defcdb333a05557d1fd"), "card_id" : NumberLong("348702330256514"), "member_id" : NumberLong("37495066290"), "amount" : 7176668, "postcode" : 33946, "pos_id" : NumberLong("6146
7375609919"),    "transaction_dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 __id" : ObjectId("63703de-cdb333a05557d1fe"), "card_id" : NumberLong("348702330256514"), "member_id" : NumberLong("37495066290"), "amount" : 5585098, "postcode" : 33946, "pos_id" : NumberLong("6146")
77375609919"), "transaction_dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 " id" : ObjectId("63703defcdb333a05557d1ff"), "card id" : NumberLong("348702330256514"), "member id" : NumberLong("37495066290"), "amount" : 7918756, "postcode" : 33946, "pos id" : NumberLong("6146
7375609919"),    "transaction_dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
 " id" : ObjectId("63703defcdb333a05557d201"), "card id" : NumberLong("348702330256514"), "member id" : NumberLong("37495066290"), "amount" : 5577105, "postcode" : 33946, "pos id" : NumberLong("6146
77375609919"), "transaction_dt" : "11-02-2018 00:00", "status" : "GENUINE" }
{ "_id" : ObjectId("63703defcdb333a05557d202"), "card_id" : NumberLong("348702330256514"), "member_id" : NumberLong("37495066290"), "amount" : 1914315, "postcode" : 33946, "pos_id" : NumberLong("6146
7375609919"), "transaction dt" : "11-02-2018 00:00:00", "status" : "GENUINE" }
ype "it" for more
```