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**PART 3 - PROGRAMMING ASSIGNMENT**Create a database for a Contact Management System in MongoDB.  
You could use any attributes you like, first name, last name, phone, address, zip, etc.

Table

Description automatically generated

Create 5 records with different attributes and values you choose.

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text

Description automatically generated with medium confidence

Then delete any one record of your choice.

Text

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Then update some information from any one of the records of your choice.

Graphical user interface, text, application, email

Description automatically generated

**PART 4 - PROGRAMMING ASSIGNMENT**You could take the screenshots by pressing ALT + PRT SCRN or Snipping Tool every time you execute a command, and paste into a word document. You could then submit this document.

Create a collection called ‘games’. We’re going to put some games in it.  
Add 5 games to the database. Give each document the following properties: name, genre, rating (out of 100)

Text, letter

Description automatically generated

If you make some mistakes and want to clean it out, use remove() on your collection.  
Write a query that returns all the games.

A picture containing text

Description automatically generated

Write a query to find one of your games by name without using limit().

Text

Description automatically generated

Use the findOne method.

Look how much nicer it’s formatted!

Graphical user interface, text

Description automatically generated

Write a query that returns the 3 highest rated games.

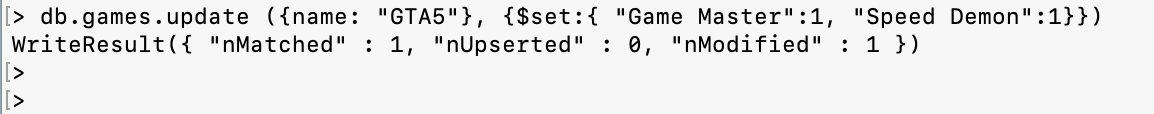
Table

Description automatically generated with low confidence

Update your two favorite games to have two achievements called ‘Game Master’ and ‘Speed Demon’, each under a single key.  
Show two ways to do this.

Do the first using update() and do the second using save().  
Hint: for save, you might want to query the object and store it in a variable first.

By Using Update



By Using save

A picture containing table

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Write a query that returns only games that have achievements.  
Not all of your games should have achievements, obviously.

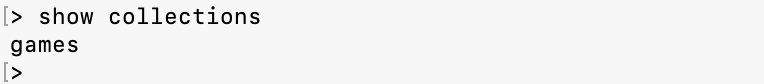
Graphical user interface, text, application, email

Description automatically generated

**PART 5 - PROGRAMMING ASSIGNMENT**Execute 5 commands of your choice from each of the following groups, and paste the screenshots in a word document.

mongo> help             [5 commands]

1. show collections --Displays collections database



1. show dbs

Table

Description automatically generated

1. use <db\_name>

Logo

Description automatically generated with medium confidence

1. show profile

A picture containing text

Description automatically generated

1. DBQuery.shellBatchSize = X



mongo> db.help()        [5 commands]

1. db.hostInfo()

Text

Description automatically generated

1. db.getName()

Text

Description automatically generated

1. db.version()

Graphical user interface, application

Description automatically generated

1. db.getMongo()

A picture containing circle

Description automatically generated

1. db.stats()

Text

Description automatically generated

mongo> db.mycoll.help() [10 commands]

1. db.myColl.dataSize()

A picture containing text

Description automatically generated

1. db.myColl.count( query = {}, <optional params> )

A picture containing text

Description automatically generated

1. db.mycoll.renameCollection( newName , <dropTarget> )

A picture containing graphical user interface

Description automatically generated

1. db.mycoll.findOneAndUpdate( filter, <update object or pipeline>, <optional params> )

Text

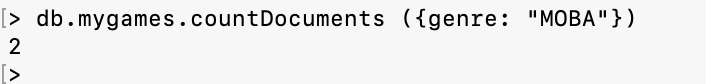
Description automatically generated

1. db.mycoll.totalSize()

A picture containing text

Description automatically generated

1. db.mycoll.countDocuments( query = {}, <optional params> )

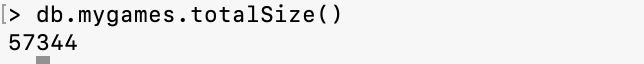


1. db.mycoll.aggregate( [pipeline], <optional params> )

A picture containing text

Description automatically generated

1. db.mycoll.totalSize()



1. db.mycoll.find(...).limit(n)

Text

Description automatically generated with medium confidence

1. db.mycoll.distinct( key, query, <optional params> )

