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-- Purpose: Lab 8 DBS311

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**-- Question 1 –** In this question you create a new database named Employees and a collection Product. We store student data in this collection. Insert the Mongo data from the script file provided for employees and product.

Try the following to see the error message. This will be a common error when you start out db.collection\_name.insertone({}) Can you see what the error is?

**-- Q1 SOLUTION –**

Yes, I have seen the error because of the case sensitive. It says, it is not a function.

Text

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**-- Question 2 –** In the employees collection, using Mongo query display all the employee ids and emails.

**-- Q2 SOLUTION –**

**> db.employees.find({},{"employee\_id": 1, email: 1})**

A picture containing text, computer

Description automatically generated

**-- Question 3 –** In the product collection, display all the product id, product name and list price

**-- Q3 SOLUTION –**

**> db.products.find({},{"product\_id": 1, "product\_name": 1, "list\_price": 1})**

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**-- Question 4 –** In the employees collection, using Mongo query display all the employee ids, emails and manager id whose manger ids are 1,3,9.

**-- Q4 SOLUTION –**

**> db.employees.find({manager\_id: {"$in": [1,3,9]}},{"employee\_id" : 1, "email" : 1, "manager\_id": 1})**

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**-- Question 5 –** In the product collection, display all the product id, product name and list price whose list price are in range between 400 to 500

**-- Q5 SOLUTION –**

**> db.products.find({"$and" : [{"list\_price": {"$gte" : 400}},{"list\_price": {"$lte": 500}}] },{"product\_id": 1,"product\_name": 1, "list\_price": 1})**

A computer screen capture

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**-- Question 6 –** In the employees collection, using Mongo query display all the employee ids, hire date and first name who are hired in August 2016.

**-- Q6 SOLUTION –**

**> db.employees.find({"$and": [{"hire\_date": {"$lte": "30 Aug 2016"}},{"hire\_date": {"$gte": "01 Aug 2016"}}]})**

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**-- Question 7 –** In the product collection, display all the product id, product name and standard cost whose standard cost are NOT in the range between 700 to 800

**-- Q7 SOLUTION –**

**> db.products.find({"$or": [{"standard\_cost": {"$lt":700}},{"standard\_cost": {"$gte": 800}}]},{"product\_id": 1, "product\_name": 1, "standard\_cost": 1})**

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**-- Question 8 –** In the employees collection, using Mongo query display all the data except email, phone and job title.

**-- Q8 SOLUTION –**

**> db.employees.find({},{"email": 0,"phone": 0,"job\_title": 0})**

A computer screen capture

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**-- Question 9 –** In the product collection, display all the product id, product name and standard cost where products are in the list of ids (5,8,9,30,50,70,80) or the list price is above 1000

**-- Q9 SOLUTION –**

**> db.products.find({"$or": [{"product\_id": {"$in": [5,8,9,30,50,70,80]}},{"list\_price": {"$gt": 1000}}]},{"product\_id": 1,"product\_name": 1, "standard\_cost": 1})**

A computer screen capture

Description automatically generated with medium confidence

**-- Question 10 –** In the employees collection, using Mongo query display all the data that has null values.

**-- Q10 SOLUTION –**

> db.employees.find({ "\_id": null })

Text

Description automatically generated

**-- Question 11 –** In the product collection, update product ids 1,3 and 5 to have a new key/value pair quantity as 100 and their new list price as 1000, once updated display those product ids,product name and list price

**-- Q11 SOLUTION –**

> db.products.replaceOne({"product\_id": {"$in":[1,3,5]}},{"quantity": 100,"list\_price": 1000})

Text

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