# Lab 8 – Week 11

## Submission

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Your submission will be the script/code and the snapshot of the output to your, collections, documents. In a word file.

1. Create a database by name competition

use competition

Graphical user interface, text, application

Description automatically generated

1. Create a collection called raffle

db.createCollection("raffle")

Graphical user interface, text

Description automatically generated

1. Add the following documents to the raffle collection

({"ticket\_no":1,"ticket\_name":"breeze","playername":"Tunde","age":25,"episode":"mimi"})

({"ticket\_no":2,"ticket\_name":"Wanne","playername":"Jin","age":12,"episode":"Gold"})

({"ticket\_no":3,"ticket\_name":"Fanny","playername":"Bill","age":28,"episode":"Silver"})

{"ticket\_no":4,"ticket\_name":"Loffy","playername":"Bankky","age":38,"episode":"Bronze"})

({"ticket\_no":5,"ticket\_name":"Bay","playername":"Julie","age":18,"episode":"Lite"})

({"ticket\_no":6,"ticket\_name":"Roller","playername":"Jean","age":43,"episode":"deep"})

({"ticket\_no":7,"ticket\_name":"Roller","playername":"Peter","age":33,"episode":"deep"})

db.raffle.insertMany([ {"ticket\_no":1,"ticket\_name":"breeze","playername":"Tunde","age":25,"episode":"mimi"}, {"ticket\_no":2,"ticket\_name":"Wanne","playername":"Jin","age":12,"episode":"Gold"}, {"ticket\_no":3,"ticket\_name":"Fanny","playername":"Bill","age":28,"episode":"Silver"}, {"ticket\_no":4,"ticket\_name":"Loffy","playername":"Bankky","age":38,"episode":"Bronze"}, {"ticket\_no":5,"ticket\_name":"Bay","playername":"Julie","age":18,"episode":"Lite"}, {"ticket\_no":6,"ticket\_name":"Roller","playername":"Jean","age":43,"episode":"deep"}, {"ticket\_no":7,"ticket\_name":"Roller","playername":"Peter","age":33,"episode":"deep"}])

Graphical user interface, text, application

Description automatically generated

1. Issue a query to display all the documents in your collection.

db.raffle.find()

Text

Description automatically generated

1. Issue a query to update the first document by setting the ticket\_name from breeze to Fair

db.raffle.updateOne(

{"ticket\_no":1},

{$set: {"ticket\_name": "Fair"}}

)

Text

Description automatically generated

1. Issue a query using the $all operator to return all documents whose episode is deep

db.raffle.find({"episode": {"$all": ["deep"]}})

Text

Description automatically generated

1. Create a query to retrieve documents whose tickect name is Loffy or Roller.

db.raffle.find({"ticket\_name": {"$in": ["Loffy", "Roller"]}})

Text

Description automatically generated

1. Create a query to retrieve documents whose ticket\_name is Wanne and age is 12.

db.raffle.find({"ticket\_name": "Wanne", "age": 12})

Text

Description automatically generated

1. Create a query to return documents whose ticket number is 4, 5, 7.

db.raffle.find({"ticket\_no": {"$in": [4, 5, 7]}})

Text

Description automatically generated

1. Create a query to return documents whose ticket number is not 1,2.

db.raffle.find({"ticket\_no": {"$nin": [1, 2]}})

Text

Description automatically generated

1. Create a query to return documents where age is greater than or equal to 18.

db.raffle.find({"age": {"$gte": 18}})

Text

Description automatically generated

1. Create a query where age is less than 18.

db.raffle.find({"age": {"$lt": 18}})

Text

Description automatically generated

**(23 Marks)**