Part 2

Results:

1)

connection = new Mongo('localhost:27017');

db = connection.getDB('Cruise1');

collection = db.getCollection('Cruises');

//Q1

//Add Cruise 1

doc = ({cruiseID: "1", destination: "Dubrovnik", shipName: "Spirit of the Sea",

Passenger: [{passengerID: "10",name:"Sue Smith",departDate: "20190502", returnDate:"20190513"},

{passengerID : "20",name:"Fran Jones", departDate:"20190502", returnDate:"20190513"}]})

collection.insert(doc)

//Add Cruise 2

doc = ({cruiseID: "2", destination: "Saint Croix", shipName: "Windjammer",

Passgener: [{passengerID: "20",name:"Fran Jones",departDate: "20190520", returnDate:"20190525"},

{passengerID : "30",name:"George Jungle", departDate:"20190502", returnDate:"20190525"}]})

collection.insert(doc)

//Add Cruise 3

doc = ({cruiseID: "3", destination: "Alaska", shipName: "Pacific Princess",

Passgener: [{passengerID: "30",name:"George Jungle",departDate: "20190502", returnDate:"20190620"}]})

collection.insert(doc)

//Q2

print("\nThis is the original document\n");

cursor = collection.find()

while (cursor.hasNext()) {

doc = cursor.next();

printjson(doc);

}

Output

This is the original document

{

"\_id" : ObjectId("5eac6a980b121b1f45111267"),

"cruiseID" : "1",

"destination" : "Dubrovnik",

"shipName" : "Spirit of the Sea",

"Passenger" : [

{

"passengerID" : "10",

"name" : "Sue Smith",

"departDate" : "20190502",

"returnDate" : "20190513"

},

{

"passengerID" : "20",

"name" : "Fran Jones",

"departDate" : "20190502",

"returnDate" : "20190513"

}

]

}

{

"\_id" : ObjectId("5eac6a980b121b1f45111268"),

"cruiseID" : "2",

"destination" : "Saint Croix",

"shipName" : "Windjammer",

"Passgener" : [

{

"passengerID" : "20",

"name" : "Fran Jones",

"departDate" : "20190520",

"returnDate" : "20190525"

},

{

"passengerID" : "30",

"name" : "George Jungle",

"departDate" : "20190502",

"returnDate" : "20190525"

}

]

}

{

"\_id" : ObjectId("5eac6a980b121b1f45111269"),

"cruiseID" : "3",

"destination" : "Alaska",

"shipName" : "Pacific Princess",

"Passgener" : [

{

"passengerID" : "30",

"name" : "George Jungle",

"departDate" : "20190502",

"returnDate" : "20190620"

}

]

}

true

>

2)

LOAD CSV WITH HEADERS FROM 'file:///Cruise.csv' as line

CREATE (:Product {cruiseID: line.cruiseID, destination: line.destination, shipName: line.shipName})

LOAD CSV WITH HEADERS FROM 'file:///Passenger.csv' as line

CREATE (:Passenger

{passengerID: line.passengerID, name: line.name, address: line.address})

LOAD CSV WITH HEADERS FROM 'file:///CruisePerson.csv' as line

MATCH (p:Cruise)

MATCH (s:Passenger)

WHERE p.cruiseID = line.cruiseID AND s.passengerID = line.PassengerID

CREATE (p)-[r:CRUISE\_PERSON {departDate: (line.departDate), returnDate: (line.returnDate)}]->(s)

A close up of a device

Description automatically generated