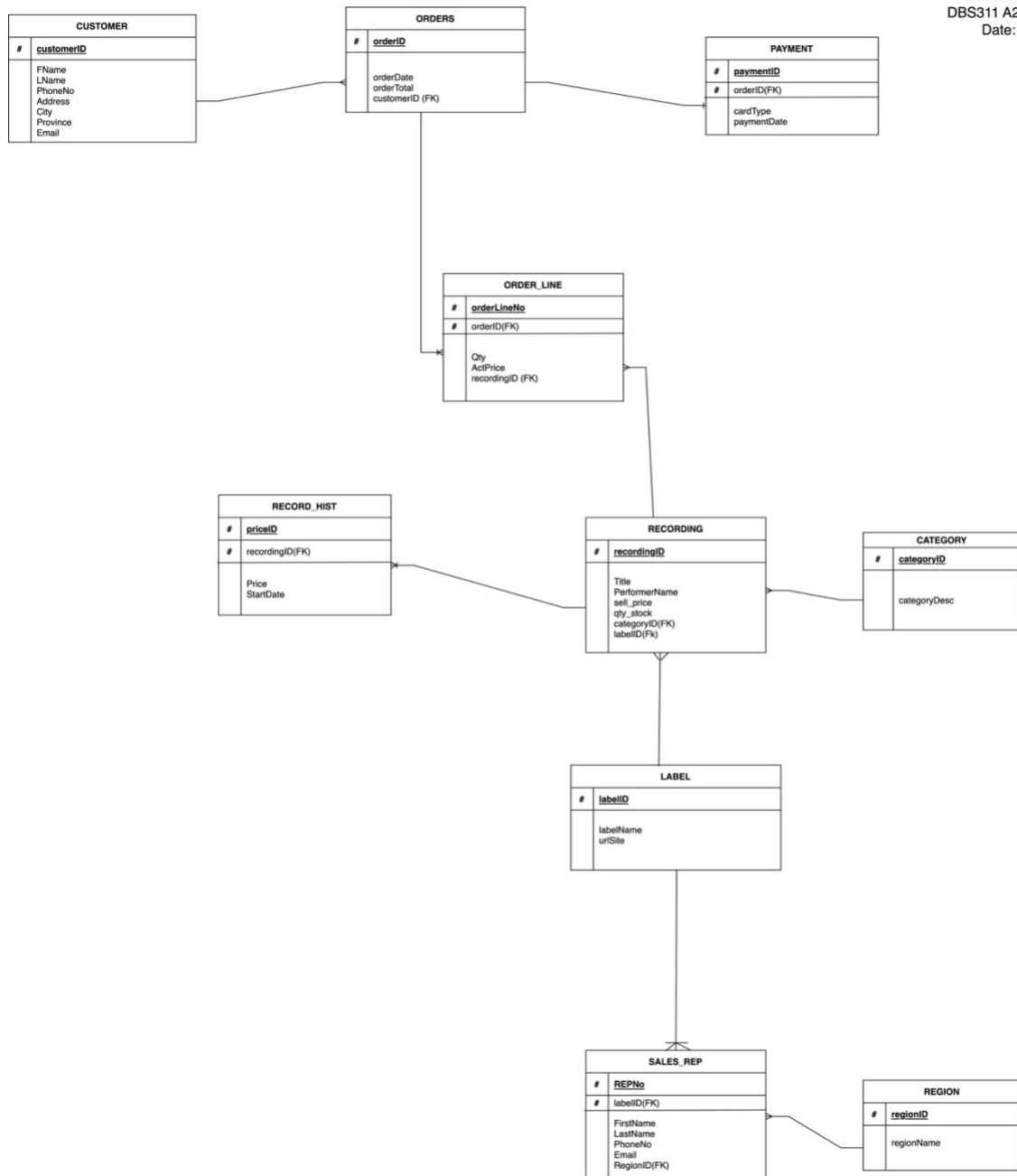


Name: Aparajeeta Diwya
Student No: 130958218
DBS311 A2
Date: 04/11/2023

Part 1: The ERD Diagram for assignment two is given below:



Name: Aparajeeta Diwya
Student ID: 130958218
DBS311 A2 ERD DIAGRAM
Date: 04/11/2023

The screenshots of the records of the sample data for the tables are given as:

1. Customer Table

The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane shows 'dbs311' selected. The 'Tables (Filtered)' pane shows a list of tables including CUSTOMER. The 'Worksheet' pane contains the following SQL code:

```
CREATE TABLE customer (
  CustomerID INT PRIMARY KEY,
  FName VARCHAR(20) NOT NULL,
  LName VARCHAR(20) NOT NULL,
  PhoneNo VARCHAR(15) NOT NULL,
  Address VARCHAR(50) NOT NULL,
  City VARCHAR(20) NOT NULL,
  Province VARCHAR(20) NOT NULL,
  Email VARCHAR(20) UNIQUE
);

--Customer table records
INSERT ALL
INTO customer (CustomerID, FName, LName, PhoneNo, Address, City, Province, Email) VALUES (1001, 'Aparajeeta', 'Diya', '(647) 573-9720', '40 Cal Cres', 'Sc
INTO customer (CustomerID, FName, LName, PhoneNo, Address, City, Province, Email) VALUES (1002, 'Ranju', 'Shah', '(123) 588-5673', '42 Cal Cres', 'Scarborc
INTO customer (CustomerID, FName, LName, PhoneNo, Address, City, Province, Email) VALUES (1003, 'Aryan', 'Shah', '(333) 786-0946', '81 Jarvis Dr', 'Barrie'
INTO customer (CustomerID, FName, LName, PhoneNo, Address, City, Province, Email) VALUES (1004, 'Rina', 'Shrestha', '(876) 444-6757', '10 Med Dr', 'Montreal
INTO customer (CustomerID, FName, LName, PhoneNo, Address, City, Province, Email) VALUES (1005, 'Riva', 'Shah', '(678) 345-1842', '52 Cal Post', 'Scarborou
SELECT *
FROM dual;
desc customer;
SELECT *
FROM customer;
```

The 'Query Result' pane shows the following data:

CUSTOMERID	FNAME	LNAME	PHONENO	ADDRESS	CITY	PROVINCE	EMAIL
1	1001	Aparajeeta	Diya	(647) 573-9720	40 Cal Cres	Scarborough ON	apd.diya@gmail.com
2	1002	Ranju	Shah	(123) 588-5673	42 Cal Cres	Scarborough ON	ranju.shah@gmail.com
3	1003	Aryan	Shah	(333) 786-0946	81 Jarvis Dr	Barrie ON	aryan.shah@gmail.com
4	1004	Rina	Shrestha	(876) 444-6757	10 Med Dr	Montreal QC	rina.shrestha@gmail.com
5	1005	Riva	Shah	(678) 345-1842	52 Cal Post	Scarborough ON	riva.shah@example.com

Saved: dbs311 | Line 33 Column 17 | Insert | Unix/Mac: LF

2. Orders Table

The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane shows 'dbs311' selected. The 'Tables (Filtered)' pane shows a list of tables including ORDERS. The 'Worksheet' pane contains the following SQL code:

```
CREATE TABLE orders (
  orderID INT PRIMARY KEY,
  orderDate DATE,
  orderTotal DECIMAL(10, 2),
  customerID INT,
  FOREIGN KEY (customerID) REFERENCES customer(customerID),
  CONSTRAINT check_orderTotal CHECK (orderTotal >= 0)
);

--Order table records
INSERT ALL
INTO orders (customerID, orderID, orderDate, orderTotal) VALUES (1001, 1, '2023-01-01', 120)
INTO orders (customerID, orderID, orderDate, orderTotal) VALUES (1002, 2, '2023-02-08', 130.80)
INTO orders (customerID, orderID, orderDate, orderTotal) VALUES (1003, 3, '2023-03-23', 125.68)
INTO orders (customerID, orderID, orderDate, orderTotal) VALUES (1004, 4, '2023-04-01', 200.65)
INTO orders (customerID, orderID, orderDate, orderTotal) VALUES (1005, 5, '2023-01-17', 345.55)
SELECT *
FROM dual;
desc orders;
SELECT *
FROM orders;
```

The 'Query Result' pane shows the following data:

ORDERID	ORDERDATE	ORDERTOTAL	CUSTOMERID
1	1 23-01-01	120	1001
2	2 23-02-08	130.8	1002
3	3 23-03-23	125.68	1003
4	4 23-04-01	200.65	1004
5	5 23-01-17	345.55	1005

Saved: dbs311 | Line 57 Column 1 | Insert | Unix/Mac: LF

3. Payment Table

The screenshot shows the SQL Developer interface with the 'Payment' table being created and populated. The 'Tables (Filtered)' pane on the left lists various tables including CATEGORY, COUNTRIES, CUSTOMER, DEPARTMENTS, EMPLOYEES, JOB_GRADES, JOB_HISTORY, JOBS, LABEL, LOCATIONS, ORDER_LINE, ORDERS, PAYMENT, PRODUCT_CATEGORIES, PRODUCTS, and PERSON_WMT. The 'Worksheet' pane contains the following SQL code:

```
CREATE TABLE PAYMENT (  
  paymentID INT PRIMARY KEY,  
  orderID INT,  
  cardType VARCHAR(4) CHECK (cardType IN ('VISA', 'MAST', 'AMEX')),  
  paymentDate DATE,  
  FOREIGN KEY (orderID) REFERENCES orders(orderID)  
);  
  
--Payment table sample records  
INSERT ALL  
  INTO Payment (paymentID, orderID, cardType, paymentDate) VALUES (10, 1, 'VISA', '2023-01-05')  
  INTO Payment (paymentID, orderID, cardType, paymentDate) VALUES (11, 2, 'MAST', '2023-02-12')  
  INTO Payment (paymentID, orderID, cardType, paymentDate) VALUES (12, 3, 'AMEX', '2023-03-24')  
  INTO Payment (paymentID, orderID, cardType, paymentDate) VALUES (13, 4, 'VISA', '2023-04-04')  
  INTO Payment (paymentID, orderID, cardType, paymentDate) VALUES (14, 5, 'MAST', '2023-01-20')  
SELECT *  
FROM dual;  
desc payment;  
SELECT *  
FROM payment;
```

The 'Query Result' pane shows the following data:

	PAYMENTID	ORDERID	CARDTYPE	PAYMENTDATE
1	10	1	VISA	23-01-05
2	11	2	MAST	23-02-12
3	12	3	AMEX	23-03-24
4	13	4	VISA	23-04-04
5	14	5	MAST	23-01-20

At the bottom, the status bar indicates 'Line 78 Column 16 | Insert | Unix/Mac: LF'.

4. Order_Line Table

The screenshot shows the SQL Developer interface with the 'Order_Line' table being created and populated. The 'Tables (Filtered)' pane on the left lists various tables including CATEGORY, COUNTRIES, CUSTOMER, DEPARTMENTS, EMPLOYEES, JOB_GRADES, JOB_HISTORY, JOBS, LABEL, LOCATIONS, ORDER_LINE, ORDERS, PAYMENT, PRODUCT_CATEGORIES, PRODUCTS, and PERSON_WMT. The 'Worksheet' pane contains the following SQL code:

```
Qty INT CHECK (Qty >= 0),  
ActPrice DECIMAL(10, 2) CHECK (ActPrice > 0),  
orderID INT,  
FOREIGN KEY (orderID) REFERENCES orders(orderID)  
);  
  
--Order_Line table sample records  
INSERT INTO order_line (orderID, orderLineNo, Qty, ActPrice) VALUES (1, 100, 3, 29.99);  
INSERT INTO order_line (orderID, orderLineNo, Qty, ActPrice) VALUES (2, 101, 4, 13.25);  
INSERT INTO order_line (orderID, orderLineNo, Qty, ActPrice) VALUES (3, 102, 1, 34.90);  
INSERT INTO order_line (orderID, orderLineNo, Qty, ActPrice) VALUES (4, 103, 3, 25.55);  
INSERT INTO order_line (orderID, orderLineNo, Qty, ActPrice) VALUES (5, 104, 5, 23.85);  
SELECT *  
FROM dual;  
desc order_line;  
SELECT *  
FROM order_line;  
  
ALTER TABLE order_line  
ADD FOREIGN KEY (recordingID)  
REFERENCES recording(recordingID);
```

The 'Query Result' pane shows the following data:

	ORDERLINENO	QTY	ACTPRICE	ORDERID
1	100	3	29.99	1
2	101	4	13.25	2
3	102	1	34.9	3
4	103	3	25.55	4
5	104	5	23.85	5

At the bottom, the status bar indicates 'Line 99 Column 21 | Insert | Unix/Mac: LF'.

5. Record_Hist Table

The screenshot shows the Oracle SQL Developer interface with the 'Record_Hist' table being created and populated. The 'Query Builder' tab displays the following SQL script:

```
--Record_Hist table
CREATE TABLE record_hist (
  priceID INT NOT NULL PRIMARY KEY,
  price DECIMAL(5, 2) CHECK (price > 0 AND price <= 999.99),
  startDate DATE
);

--Record_Hist table sample records
INSERT ALL
INTO record_hist (priceID, price, startDate) VALUES (1, 199.99, '2023-01-04')
INTO record_hist (priceID, price, startDate) VALUES (2, 180.85, '2023-02-10')
INTO record_hist (priceID, price, startDate) VALUES (3, 355.50, '2023-04-02')
INTO record_hist (priceID, price, startDate) VALUES (4, 990.00, '2023-03-14')
INTO record_hist (priceID, price, startDate) VALUES (5, 789.99, '2023-02-24')
SELECT *
FROM dual;
SELECT *
FROM record_hist;
desc record_hist;
ALTER TABLE record_hist
```

The 'Query Result' tab shows the data fetched from the table:

PRICEID	PRICE	STARTDATE
1	199.99	23-01-04
2	180.85	23-02-10
3	355.50	23-04-02
4	990.00	23-03-14
5	789.99	23-02-24

At the bottom, the status bar indicates: Saved: /Users/aparajeetadiwya/dbs311_A2.sql | Line 123 Column 22 | Insert | Unix/Mac: LF

6. Recording Table

The screenshot shows the Oracle SQL Developer interface with the 'Recording' table being created and populated. The 'Query Builder' tab displays the following SQL script:

```
recordingID INT PRIMARY KEY,
title VARCHAR(20),
performerName VARCHAR(50),
sell_price DECIMAL(10, 2) NOT NULL,
qty_stock INT NOT NULL
);

--Recording table sample records
INSERT ALL
INTO recording (recordingID, title, performerName, sell_price, qty_stock) VALUES (1, 'Paper Rings', 'Taylor Swift', 299.99, 20)
INTO recording (recordingID, title, performerName, sell_price, qty_stock) VALUES (2, 'Die For You', 'The Weeknd', 220.99, 23)
INTO recording (recordingID, title, performerName, sell_price, qty_stock) VALUES (3, 'Dusk Till Dawn', 'Zayn Malik', 350.00, 34)
INTO recording (recordingID, title, performerName, sell_price, qty_stock) VALUES (4, 'Good 4 U', 'Olivia Rodrigo', 190.00, 50)
INTO recording (recordingID, title, performerName, sell_price, qty_stock) VALUES (5, 'Calm Down', 'Selena Gomez', 499.99, 39)
SELECT *
FROM dual;
desc recording;
SELECT *
FROM recording;
ALTER TABLE recording
ADD FOREIGN KEY (categoryID)
```

The 'Query Result' tab shows the data fetched from the table:

RECORDINGID	TITLE	PERFORMERNAME	SELL_PRICE	QTY_STOCK
1	1 Paper Rings	Taylor Swift	299.99	20
2	2 Die For You	The Weeknd	220.99	23
3	3 Dusk Till Dawn	Zayn Malik	350	34
4	4 Good 4 U	Olivia Rodrigo	190	50
5	5 Calm Down	Selena Gomez	499.99	39

At the bottom, the status bar indicates: Saved: /Users/aparajeetadiwya/dbs311_A2.sql | Line 149 Column 1 | Insert | Unix/Mac: LF

7. Category Table

The screenshot shows the SQL Developer interface with the 'dbs311_A2.sql' file open. The 'Worksheet' tab is active, displaying SQL code for creating and inserting data into the 'category' table. The 'Query Result' tab shows the output of the insert statement, displaying 7 rows of data.

```
categoryID INT PRIMARY KEY,  
categoryDesc VARCHAR(50) NOT NULL CHECK (CategoryDesc IN ('R&B', 'Jazz', 'Metal Rock', 'Alt Rock', 'Easy Rock', 'Classic Rock', 'Hip-Hop'))  
);  
  
--Category table sample records  
INSERT ALL  
INTO category (categoryID, categoryDesc) VALUES (1, 'Metal Rock')  
INTO category (categoryID, categoryDesc) VALUES (2, 'Easy Rock')  
INTO category (categoryID, categoryDesc) VALUES (3, 'Hip-Hop')  
INTO category (categoryID, categoryDesc) VALUES (4, 'Jazz')  
INTO category (categoryID, categoryDesc) VALUES (5, 'Alt Rock')  
INTO category (categoryID, categoryDesc) VALUES (6, 'Classic Rock')  
INTO category (categoryID, categoryDesc) VALUES (7, 'R&B')  
SELECT *  
FROM dual;  
desc category;  
SELECT *  
FROM category;
```

CATEGORYID	CATEGORYDESC
1	1Metal Rock
2	2 Easy Rock
3	3Hip-Hop
4	4Jazz
5	5Alt Rock
6	6 Classic Rock
7	7 Rb

Saved: /Users/aparajeetadiwya/dbs311_A2.sql | Line 179 Column 19 | Insert | Modified: Unix/Mac: LF

8. Label Table

The screenshot shows the SQL Developer interface with the 'dbs311_A2.sql' file open. The 'Worksheet' tab is active, displaying SQL code for creating and inserting data into the 'label' table. The 'Query Result' tab shows the output of the insert statement, displaying 7 rows of data.

```
urlSite VARCHAR(100) NOT NULL  
);  
  
--Label table sample records  
INSERT ALL  
INTO label (labelID, labelName, urlSite) VALUES (1001, 'Sony', 'sonylabels.ca')  
INTO label (labelID, labelName, urlSite) VALUES (1002, 'Virginia', 'virginiabels.ca')  
INTO label (labelID, labelName, urlSite) VALUES (1003, 'Columbia', 'columbiabels.ca')  
INTO label (labelID, labelName, urlSite) VALUES (1004, 'Top Charts', 'topchartslabels.ca')  
INTO label (labelID, labelName, urlSite) VALUES (1005, 'Music Masters', 'musicmasterslabels.ca')  
INTO label (labelID, labelName, urlSite) VALUES (1006, 'Hit Records', 'hitrecordslabels.ca')  
INTO label (labelID, labelName, urlSite) VALUES (1007, 'Songs On The House', 'songsonthehouselabels.ca')  
SELECT *  
FROM dual;  
desc label;  
SELECT *  
FROM label;
```

LABELID	LABELNAME	URLSITE
1	1001 Sony	sonylabels.ca
2	1002 Virginia	virginiabels.ca
3	1003 Columbia	columbiabels.ca
4	1004 Top Charts	topchartslabels.ca
5	1005 Music Masters	musicmasterslabels.ca
6	1006 Hit Records	hitrecordslabels.ca
7	1007 Songs On The House	songsonthehouselabels.ca

Saved: /Users/aparajeetadiwya/dbs311_A2.sql | Line 202 Column 5 | Insert | Modified: Unix/Mac: LF

9. Sales_Rep Table

The screenshot shows the SQL Developer interface with the 'dbs311_A2.sql' script open. The script defines the 'Sales_Rep' table with columns: REPNO (INT), FIRSTNAME (VARCHAR(20)), LASTNAME (VARCHAR(20)), PHONENUMBER (VARCHAR(20)), and EMAIL (VARCHAR(20) UNIQUE). It includes sample data for five sales representatives and a query to display the table contents.

```
CREATE TABLE sales_rep (
  REPNO INT PRIMARY KEY,
  FIRSTNAME VARCHAR(20),
  LASTNAME VARCHAR(20),
  PHONENUMBER VARCHAR(20),
  EMAIL VARCHAR(20) UNIQUE
);

--Sales_Rep table sample records
INSERT ALL
  INTO sales_rep (REPNO, FIRSTNAME, LASTNAME, PHONENUMBER, EMAIL) VALUES (2000, 'Ananya', 'Sharma', '(647) 574-7720', 'ananya.s@gmail.com')
  INTO sales_rep (REPNO, FIRSTNAME, LASTNAME, PHONENUMBER, EMAIL) VALUES (2001, 'Jack', 'Wright', '(553) 578-8673', 'jack.w@gmail.com')
  INTO sales_rep (REPNO, FIRSTNAME, LASTNAME, PHONENUMBER, EMAIL) VALUES (2002, 'Alia', 'Menon', '(633) 986-1346', 'alia.m@yahoo.com')
  INTO sales_rep (REPNO, FIRSTNAME, LASTNAME, PHONENUMBER, EMAIL) VALUES (2003, 'Anand', 'Shrestha', '(886) 484-9797', 'aanand.s@gmail.com')
  INTO sales_rep (REPNO, FIRSTNAME, LASTNAME, PHONENUMBER, EMAIL) VALUES (2004, 'Rina', 'Bright', '(678) 345-1842', 'rina.b@gmail.com')
FROM dual;

SELECT *
  FROM sales_rep;

ALTER TABLE sales_rep
ADD FOREIGN KEY (labelID)
REFERENCES label(labelID);
```

The Query Result shows 5 rows fetched in 0.128 seconds:

REPNO	FIRSTNAME	LASTNAME	PHONENUMBER	EMAIL
1	2000	Ananya Sharma	(647) 574-7720	ananya.s@gmail.com
2	2001	Jack Wright	(553) 578-8673	jack.w@gmail.com
3	2002	Alia Menon	(633) 986-1346	alia.m@yahoo.com
4	2003	Anand Shrestha	(886) 484-9797	aanand.s@gmail.com
5	2004	Rina Bright	(678) 345-1842	rina.b@gmail.com

Save path: /Users/aparajeetadiwya/dbs311_A2.sql | Line 223 Column 18 | Insert | Modified: Unix/Mac: LF

10. Region Table

The screenshot shows the SQL Developer interface with the 'dbs311_A2.sql' script open. The script defines the 'Region' table with columns: REGIONID (INT PRIMARY KEY) and REGIONNAME (VARCHAR(20) NOT NULL). It includes sample data for five regions and a query to display the table contents.

```
CREATE TABLE region (
  REGIONID INT PRIMARY KEY,
  REGIONNAME VARCHAR(20) NOT NULL
);

--Region table sample records
INSERT ALL
  INTO region (regionId, regionName) VALUES (301, 'USA')
  INTO region (regionId, regionName) VALUES (302, 'US-North')
  INTO region (regionId, regionName) VALUES (303, 'US-EAST')
  INTO region (regionId, regionName) VALUES (304, 'CANADA')
  INTO region (regionId, regionName) VALUES (305, 'ASIA')
FROM dual;

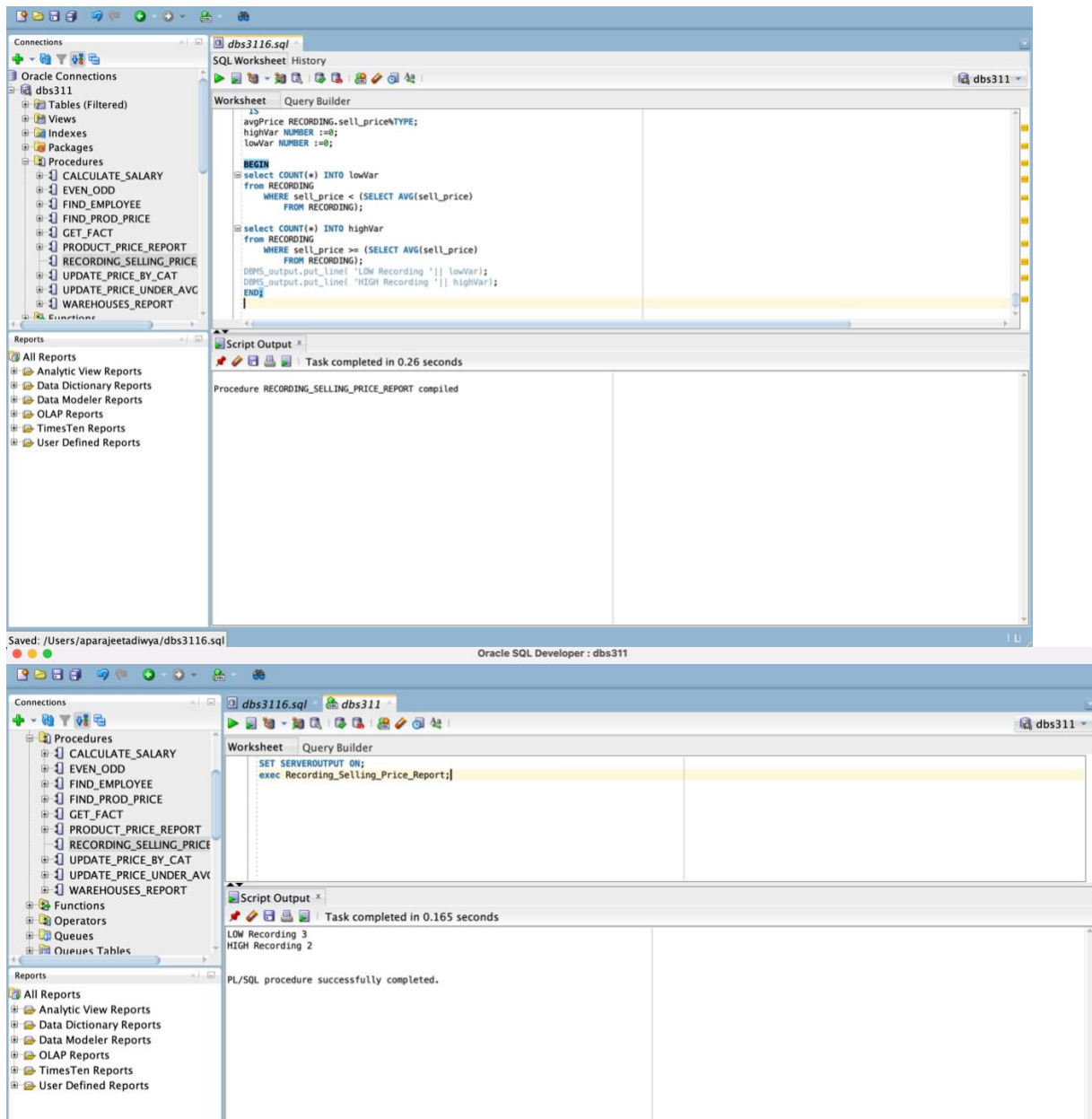
SELECT *
  FROM region;
```

The Query Result shows 5 rows fetched in 0.121 seconds:

REGIONID	REGIONNAME
1	301 USA
2	302 US-North
3	303 US-EAST
4	304 CANADA
5	305 ASIA

Save path: /Users/aparajeetadiwya/dbs311_A2.sql | Line 250 Column 15 | Insert | Modified: Unix/Mac: LF

Part – 3: The screenshot of the procedure with code and output is given below:



For Part – 4, I used MongoDB Compass to display my sample json data design. The screenshots of the collection documents are given below for all the tables and sample data that I used in Part 2.

1. Customer Collection

senecaweb.d48l...

DocumentsDBS31IA2.Custom...

My Queries

Databases

Search

DBS31IA2

Category

Customer

Label

Order_Line

Orders

Payment

Record_Hist

Recording

Region

Sales_Rep

admin

local

DBS31IA2.Customer

51DOCUMENTSINDEXES

DocumentsAggregationsSchemaExplain PlanIndexesValidation

FilterType a query: { field: 'value' }ResetFindMore Options

ADD DATAEXPORT COLLECTION1 - 5 of 5

_id: ObjectId('64333141a7c4153d938d4e41')

CustomerID: 1001

FirstName: "Aparajeeta"

LastName: "Diwya"

PhoneNumber: 6475739720

Address: "40 Cal Cres"

City: "Scarborough"

Province: "ON"

Email: "apd.diwya@gmail.com"

_id: ObjectId('64333157a7c4153d938d4e43')

CustomerID: 1002

FirstName: "Ranju"

LastName: "Shah"

PhoneNumber: 1235885673

Address: "42 Cal Cres"

City: "Scarborough"

Province: "ON"

Email: "ranju.shah@gmail.com"

_id: ObjectId('6433319aa7c4153d938d4e45')

CustomerID: 1003

FirstName: "Aryan"

LastName: "Shah"

PhoneNumber: 3337860946

Address: "81 Jarvis Dr"

City: "Barrie"

Province: "ON"

Email: "aryan.shah@gmail.com"

senecaweb.d48l...

DocumentsDBS31IA2.Custom...

My Queries

Databases

Search

DBS31IA2

Category

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Region

Sales_Rep

admin

local

DBS31IA2.Customer

51DOCUMENTSINDEXES

DocumentsAggregationsSchemaExplain PlanIndexesValidation

FilterType a query: { field: 'value' }ResetFindMore Options

ADD DATAEXPORT COLLECTION1 - 5 of 5

_id: ObjectId('6433319aa7c4153d938d4e45')

CustomerID: 1003

FirstName: "Aryan"

LastName: "Shah"

PhoneNumber: 3337860946

Address: "81 Jarvis Dr"

City: "Barrie"

Province: "ON"

Email: "aryan.shah@gmail.com"

_id: ObjectId('643331d5a7c4153d938d4e47')

CustomerID: 1004

FirstName: "Rina"

LastName: "Shreshtha"

PhoneNumber: 8764446757

Address: "10 Med Dr"

City: "Montreal"

Province: "QC"

Email: "rina.shreshtha@gmail.com"

_id: ObjectId('64333207a7c4153d938d4e49')

CustomerID: 1005

FirstName: "Riva"

LastName: "Shah"

PhoneNumber: 6783451842

Address: "52 Cal Post"

City: "Scarborough"

Province: "ON"

Email: "riva.shah@gmail.com"

2. Orders Collection

senecaweb.d48l... Documents DBS311A2.Orders

My Queries Databases Search

DBS311A2

- Category
- Customer
- Label
- Order_Line
- Orders**
- Payment
- Record_Hist
- Recording
- Region
- Sales_Rep

admin local

DBS311A2.Orders

5 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT COLLECTION 1 - 5 of 5

<pre>{ "_id": ObjectId("643332c3a7c4153d938d4e4c"), "customerID": 1001, "orderID": 1, "orderDate": "2023-01-01", "orderTotal": 120 }</pre>
<pre>{ "_id": ObjectId("64333328a7c4153d938d4e4f"), "customerID": 1002, "orderID": 2, "orderDate": "2023-02-08", "orderTotal": 130.8 }</pre>
<pre>{ "_id": ObjectId("6433333da7c4153d938d4e51"), "customerID": 1003, "orderID": 3, "orderDate": "2023-03-23", "orderTotal": 125.68 }</pre>
<pre>{ "_id": ObjectId("64333356a7c4153d938d4e53"), "customerID": 1004, "orderID": 4, "orderDate": "2023-04-01", "orderTotal": 200.65 }</pre>
<pre>{ "_id": ObjectId("64333367a7c4153d938d4e55"), "customerID": 1005, "orderID": 5, "orderDate": "2023-04-01", "orderTotal": 200.65 }</pre>

>_MONGOSH

3. Order_Line Collection

senecaweb.d48l... Documents DBS311A2.Order_...

My Queries Databases Search

DBS311A2

- Category
- Customer
- Label
- Order_Line**
- Orders
- Payment
- Record_Hist
- Recording
- Region
- Sales_Rep

admin local

DBS311A2.Order_Line

5 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT COLLECTION 1 - 5 of 5

<pre>{ "_id": ObjectId("643334b0a7c4153d938d4e65"), "orderID": 1, "orderLineNo": 100, "Qty": 3, "ActPrice": 29.99 }</pre>
<pre>{ "_id": ObjectId("643334e1a7c4153d938d4e67"), "orderID": 2, "orderLineNo": 101, "Qty": 4, "ActPrice": 13.25 }</pre>
<pre>{ "_id": ObjectId("643334f5a7c4153d938d4e69"), "orderID": 3, "orderLineNo": 102, "Qty": 1, "ActPrice": 34.9 }</pre>
<pre>{ "_id": ObjectId("64333506a7c4153d938d4e6b"), "orderID": 4, "orderLineNo": 103, "Qty": 3, "ActPrice": 25.55 }</pre>
<pre>{ "_id": ObjectId("64333520a7c4153d938d4e6d"), "orderID": 5, "orderLineNo": 104, "Qty": 5, "ActPrice": 25.55 }</pre>

>_MONGOSH

4. Payment Collection

senecaweb.d48l... Documents DBS311A2.Payment

My Queries Databases Search

DBS311A2

- Category
- Customer
- Label
- Order_Line
- Orders
- Payment**
- Record_Hist
- Recording
- Region
- Sales_Rep

admin local

DBS311A2.Payment

5 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT COLLECTION 1 - 5 of 5

<pre>{ "_id": ObjectId("643333baa7c4153d938d4e58"), "paymentID": 10, "orderID": 1, "cardType": "VISA", "paymentDate": "2023-01-05" }</pre>
<pre>{ "_id": ObjectId("643333d7a7c4153d938d4e5b"), "paymentID": 11, "orderID": 2, "cardType": "MAST", "paymentDate": "2023-02-12" }</pre>
<pre>{ "_id": ObjectId("6433342aa7c4153d938d4e5e"), "paymentID": 12, "orderID": 3, "cardType": "AMEX", "paymentDate": "2023-03-24" }</pre>
<pre>{ "_id": ObjectId("64333441a7c4153d938d4e60"), "paymentID": 13, "orderID": 4, "cardType": "VISA", "paymentDate": "2023-04-04" }</pre>
<pre>{ "_id": ObjectId("6433345ea7c4153d938d4e62"), "paymentID": 14, "orderID": 5 }</pre>

> MONGODB

5. Record_Hist Collection

senecaweb.d48l... Documents DBS311A2.Record_Hist

My Queries Databases Search

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- Sales_Rep

admin local

DBS311A2.Record_Hist

5 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT COLLECTION 1 - 5 of 5

<pre>{ "_id": ObjectId("64333563a7c4153d938d4e73"), "priceID": 1, "price": 199.99, "StartDate": "2023-01-04" }</pre>
<pre>{ "_id": ObjectId("64333574a7c4153d938d4e75"), "priceID": 2, "price": 180.85, "StartDate": "2023-02-10" }</pre>
<pre>{ "_id": ObjectId("6433358ea7c4153d938d4e77"), "priceID": 3, "price": 355.5, "StartDate": "2023-04-02" }</pre>
<pre>{ "_id": ObjectId("643335a1a7c4153d938d4e79"), "priceID": 4, "price": 990, "StartDate": "2023-03-14" }</pre>
<pre>{ "_id": ObjectId("643335b0a7c4153d938d4e7b"), "priceID": 5, "price": 789.99, "StartDate": "2023-02-24" }</pre>

> MONGODB

6. Recording Collection

senecaweb.d48l...

DocumentsDBS311A2.Recordi...

My Queries

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51DOCUMENTSINDEXES

DocumentsAggregationsSchemaExplain PlanIndexesValidation

FilterType a query: { field: 'value' }

ResetFindMore Options

ADD DATAEXPORT COLLECTION

1 - 5 of 5

_id: ObjectId('64333692a7c4153d938d4e7f')

recordingID: 1

title: "Paper Rings"

performerName: "Taylor Swift"

sell_price: 299.99

qty_stock: 20

_id: ObjectId('643336aea7c4153d938d4e81')

recordingID: 2

title: "Die For You"

performerName: "The Weeknd"

sell_price: 228.99

qty_stock: 23

_id: ObjectId('643336cea7c4153d938d4e83')

recordingID: 3

title: "Dusk Till Dawn"

performerName: "Zayn Malik"

sell_price: 350

qty_stock: 34

_id: ObjectId('643336f5a7c4153d938d4e86')

recordingID: 4

title: "Good 4 u"

performerName: "Olivia Rodrigo"

sell_price: 190

qty_stock: 50

senecaweb.d48l...

DocumentsDBS311A2.Recordi...

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51DOCUMENTSINDEXES

DocumentsAggregationsSchemaExplain PlanIndexesValidation

FilterType a query: { field: 'value' }

ResetFindMore Options

ADD DATAEXPORT COLLECTION

1 - 5 of 5

_id: ObjectId('643336aea7c4153d938d4e81')

recordingID: 2

title: "Die For You"

performerName: "The Weeknd"

sell_price: 228.99

qty_stock: 23

_id: ObjectId('643336cea7c4153d938d4e83')

recordingID: 3

title: "Dusk Till Dawn"

performerName: "Zayn Malik"

sell_price: 350

qty_stock: 34

_id: ObjectId('643336f5a7c4153d938d4e86')

recordingID: 4

title: "Good 4 u"

performerName: "Olivia Rodrigo"

sell_price: 190

qty_stock: 50

_id: ObjectId('64333715a7c4153d938d4e88')

recordingID: 5

title: "Calm Down"

performerName: "Selena Gomez"

sell_price: 499.99

qty_stock: 39

7. Category Collection

senecaweb.d48l...
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7 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' }
Reset Find More Options

ADD DATA EXPORT COLLECTION

1 - 7 of 7

_id: ObjectId('6433374aa7c4153d938d4e8b')

categoryID: 1

categoryDesc: "Metal Rock"

_id: ObjectId('64333758a7c4153d938d4e8d')

categoryID: 2

categoryDesc: "Easy Rock"

_id: ObjectId('64333763a7c4153d938d4e8f')

categoryID: 3

categoryDesc: "Hip-Hop"

_id: ObjectId('6433376da7c4153d938d4e91')

categoryID: 4

categoryDesc: "Jazz"

_id: ObjectId('64333784a7c4153d938d4e93')

categoryID: 5

categoryDesc: "Alt Rock"

_id: ObjectId('64333793a7c4153d938d4e95')

categoryID: 6

categoryDesc: "Classic Rock"

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8. Label Collection

senecaweb.d48l...
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7 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' }
Reset Find More Options

ADD DATA EXPORT COLLECTION

1 - 7 of 7

_id: ObjectId('64333800a7c4153d938d4e9a')

labelID: 1001

labelName: "Sony"

urlSite: "sonylabels.ca"

_id: ObjectId('64333812a7c4153d938d4e9c')

labelID: 1002

labelName: "Virginia"

urlSite: "virginalabels.ca"

_id: ObjectId('64333825a7c4153d938d4e9e')

labelID: 1003

labelName: "Columbia"

urlSite: "columbialabels.ca"

_id: ObjectId('6433383da7c4153d938d4ea0')

labelID: 1004

labelName: "Top Charts"

urlSite: "topchartslabels.ca"

_id: ObjectId('64333856a7c4153d938d4ea2')

labelID: 1005

labelName: "Music Masters"

urlSite: "musicmasterslabels.ca"

_id: ObjectId('64333871a7c4153d938d4ea4')

labelID: 1006

labelName: "Various Artists"

urlSite: "variousartistslabels.ca"

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senecaweb.d48l... Documents DBS311A2.Label

My Queries Databases Search DBS311A2 Category Customer Label Order_Line Orders Payment Record_Hist Recording Region Sales_Rep admin local

DBS311A2.Label

7 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT COLLECTION 1 - 7 of 7

<pre>{ "_id": ObjectId("64333825a7c4153d938d4e9e"), "labelID": 1003, "labelName": "Columbia", "urlSite": "columbialabels.ca" }</pre>
<pre>{ "_id": ObjectId("6433383da7c4153d938d4ea0"), "labelID": 1004, "labelName": "Top Charts", "urlSite": "topchartslabels.ca" }</pre>
<pre>{ "_id": ObjectId("64333856a7c4153d938d4ea2"), "labelID": 1005, "labelName": "Music Masters", "urlSite": "musicmasterslabels.ca" }</pre>
<pre>{ "_id": ObjectId("64333871a7c4153d938d4ea4"), "labelID": 1006, "labelName": "Hit Records", "urlSite": "hitrecordslabels.ca" }</pre>
<pre>{ "_id": ObjectId("6433388ea7c4153d938d4ea6"), "labelID": 1007, "labelName": "Songs On The House", "urlSite": "songsonthehouselabels.ca" }</pre>

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9. Sales_Rep Collection

senecaweb.d48l... Documents DBS311A2.Sales_R...

My Queries Databases Search DBS311A2 Category Customer Label Order_Line Orders Payment Record_Hist Recording Region Sales_Rep admin local

DBS311A2.Sales_Rep

5 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT COLLECTION 1 - 5 of 5

<pre>{ "_id": ObjectId("64333911a7c4153d938d4eaa"), "REPMo": 2000, "FirstName": "Ananya", "LastName": "Sharma", "PhoneNumber": 6475747720, "Email": "ananya.s@gmail.com" }</pre>
<pre>{ "_id": ObjectId("6433393ba7c4153d938d4eac"), "REPMo": 2001, "FirstName": "Jack", "LastName": "Wright", "PhoneNumber": 5535788673, "Email": "jack.w@gmail.com" }</pre>
<pre>{ "_id": ObjectId("6433396da7c4153d938d4eb0"), "REPMo": 2002, "FirstName": "Alia", "LastName": "Menon", "PhoneNumber": 6339861346, "Email": "alia.m@gmail.com" }</pre>
<pre>{ "_id": ObjectId("643339aea7c4153d938d4eb3"), "REPMo": 2003, "FirstName": "Aanand", "LastName": "Shreshtha", "PhoneNumber": 8064849797, "Email": "aanand.s@gmail.com" }</pre>

> MONGOSH

senecaweb.d48l...

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DBS311A2.Sales_Rep

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DOCUMENTSINDEXES

DocumentsAggregationsSchemaExplain PlanIndexesValidation

FilterType a query: { field: 'value' }ResetFindMore Options

ADD DATAEXPORT COLLECTION1 - 5 of 5

_id: ObjectId('6433393ba7c4153d938d4eac')

REPMo: 2001

FirstName: "Jack"

LastName: "Wright"

PhoneNumber: 5535788673

Email: "jack.w@gmail.com"

_id: ObjectId('6433396da7c4153d938d4eb0')

REPMo: 2002

FirstName: "Alia"

LastName: "Menon"

PhoneNumber: 6339861346

Email: "alia.m@gmail.com"

_id: ObjectId('643339aea7c4153d938d4eb3')

REPMo: 2003

FirstName: "Aanand"

LastName: "Shreshtha"

PhoneNumber: 8064849797

Email: "aanand.s@gmail.com"

_id: ObjectId('643339d2a7c4153d938d4eb5')

REPMo: 2004

FirstName: "Rina"

LastName: "Bright"

PhoneNumber: 6783451842

Email: "rina.b@gmail.com"

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10. Region Collection

senecaweb.d48l...

Documents
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DOCUMENTSINDEXES

DocumentsAggregationsSchemaExplain PlanIndexesValidation

FilterType a query: { field: 'value' }ResetFindMore Options

ADD DATAEXPORT COLLECTION1 - 5 of 5

_id: ObjectId('643339fda7c4153d938d4eb8')

regionId: 301

regionName: "USA"

_id: ObjectId('64333a07a7c4153d938d4eba')

regionId: 302

regionName: "US-North"

_id: ObjectId('64333a11a7c4153d938d4ebc')

regionId: 331

regionName: "US-EAST"

_id: ObjectId('64333a1aa7c4153d938d4ebe')

regionId: 304

regionName: "CANADA"

_id: ObjectId('64333a24a7c4153d938d4ec0')

regionId: 305

regionName: "ASTIA"

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