Matthew Lam

Jason Rivkin

James Pease

Ashley Brown

Michael Carter

MIS 411 Team Project Database Operations Assignment

**Inserting Data Into Our Tables**

INSERT INTO Products (SKU, Product\_Name, Product\_Brand, Quantity, Item\_Price) VALUES

-> (10001, 'Bread', 'Kings Hawaiian', 3, 6),

-> (10002, 'Milk', 'Horizon Organic', 2, 5),

-> (10003, 'Cereal', 'Cheerios', 4, 6),

-> (10004, 'Grapes', 'Del Monte', 12, 13),

-> (10005, 'Crackers', 'Ritz Crackers', 11, 13),

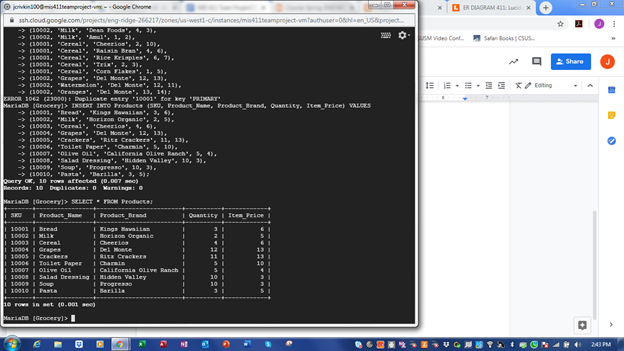
-> (10006, 'Toilet Paper', 'Charmin', 5, 10),

-> (10007, 'Olive Oil', 'California Olive Ranch', 5, 4),

-> (10008, 'Salad Dressing', 'Hidden Valley', 10, 3),

-> (10009, 'Soup', 'Progresso', 10, 3),

-> (10010, 'Pasta', 'Barilla', 3, 5);



INSERT INTO Department (Department\_ID, Department\_Name, SKU) VALUES

-> (101, 'Bread', 10001),

-> (102, 'Milk', 10002),

-> (103, 'Cereal', 10003),

-> (104, 'Fruit', 10004),

-> (105, 'Crackers', 10005),

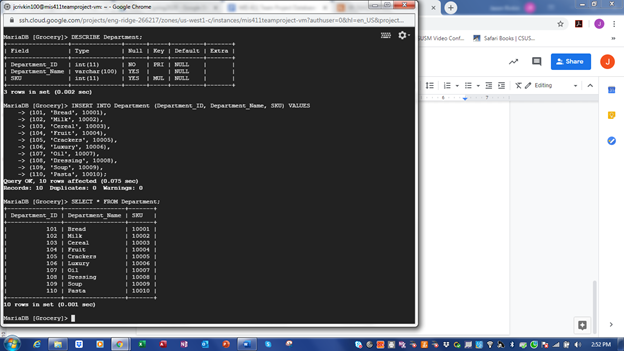
-> (106, 'Luxury', 10006),

-> (107, 'Oil', 10007),

-> (108, 'Dressing', 10008),

-> (109, 'Soup', 10009),

-> (110, 'Pasta', 10010);



INSERT INTO Suppliers (Supplier\_No, Invoice\_No, SKU) VALUES (9001, 1001, 10001);

INSERT INTO Suppliers (Supplier\_No, Invoice\_No, SKU) VALUES (9002, 1

002, 10002);

INSERT INTO Suppliers (Supplier\_No, Invoice\_No, SKU) VALUES (9003, 1003, 10003);

INSERT INTO Suppliers (Supplier\_No, Invoice\_No, SKU) VALUES (9004, 1

004, 10004);

INSERT INTO Suppliers (Supplier\_No, Invoice\_No, SKU) VALUES (9005, 1

005, 10005);

INSERT INTO Suppliers (Supplier\_No, Invoice\_No, SKU) VALUES (9006, 1

006, 10006);

INSERT INTO Suppliers (Supplier\_No, Invoice\_No, SKU) VALUES (9007, 1

007, 10007);

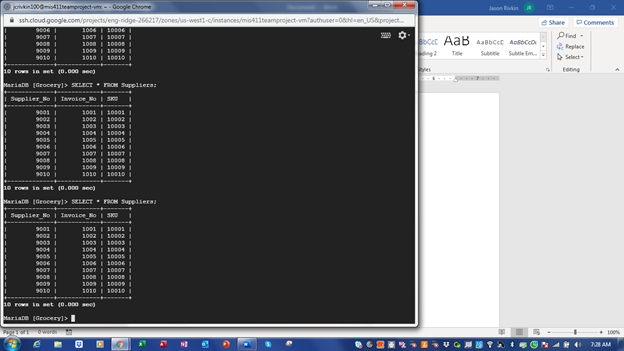
INSERT INTO Suppliers (Supplier\_No, Invoice\_No, SKU) VALUES (9008, 1

008, 10008);

INSERT INTO Suppliers (Supplier\_No, Invoice\_No, SKU) VALUES (9009, 1

009, 10009);

INSERT INTO Suppliers (Supplier\_No, Invoice\_No, SKU) VALUES (9010, 1010, 10010);



INSERT INTO Checks (Check\_No, Bank\_Name, Routing\_No, Account\_No) VALUES

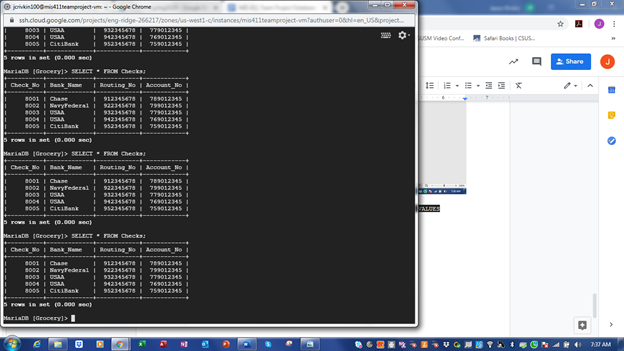
-> (8001, 'Chase', 912345678, 789012345),

-> (8002, 'NavyFederal', 922345678, 799012345),

-> (8003, 'USAA', 932345678, 779012345),

-> (8004, 'USAA', 942345678, 769012345),

-> (8005, 'CitiBank', 952345678, 759012345);



INSERT INTO Card\_Information (Card\_No, Card\_Type, Name\_On\_Card) VALUES (400050004, "Visa"

, "Robert\_Smith");

INSERT INTO Card\_Information (Card\_No, Card\_Type, Name\_On\_Card) VALUES (400050003, "Visa", "James\_Smith");

INSERT INTO Card\_Information (Card\_No, Card\_Type, Name\_On\_Card) VALUES (400050002, "Visa", "John\_Smith");

INSERT INTO Card\_Information (Card\_No, Card\_Type, Name\_On\_Card) VALUES (400050005, "Visa", "Ashley\_Smith");

INSERT INTO Card\_Information (Card\_No, Card\_Type, Name\_On\_Card) VALUES (400050006, "Visa", "Steven\_Smith");

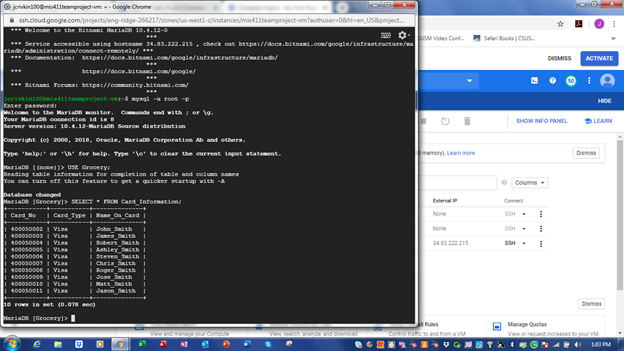
INSERT INTO Card\_Information (Card\_No, Card\_Type, Name\_On\_Card) VALUES (400050007, "Visa", "Chris\_Smith");

INSERT INTO Card\_Information (Card\_No, Card\_Type, Name\_On\_Card) VALUES (400050008, "Visa", "Roger\_Smith");

INSERT INTO Card\_Information (Card\_No, Card\_Type, Name\_On\_Card) VALUES (400050009, "Visa", "Jose\_Smith");

INSERT INTO Card\_Information (Card\_No, Card\_Type, Name\_On\_Card) VALUES (400050010, "Visa", "Matt\_Smith");

INSERT INTO Card\_Information (Card\_No, Card\_Type, Name\_On\_Card) VALUES (400050011, "Visa", "Jason\_Smith");



INSERT INTO Payment (Payment\_No, Cash, Card\_No) VALUES (7001, 210, 400050002);

INSERT INTO Payment (Payment\_No, Cash, Card\_No) VALUES (7002, 150, 400050003);

INSERT INTO Payment (Payment\_No, Cash, Check\_No) VALUES (7003, 175, 8001);

INSERT INTO Payment (Payment\_No, Cash, Card\_No) VALUES (7004, 35, 400050004);

INSERT INTO Payment (Payment\_No, Cash, Card\_No) VALUES (7005, 700, 400050005);

INSERT INTO Payment (Payment\_No, Cash, Card\_No) VALUES (7006, 650, 400050006);

INSERT INTO Payment (Payment\_No, Cash, Card\_No) VALUES (7007, 100, 400050007);

INSERT INTO Payment (Payment\_No, Cash, Card\_No) VALUES (7008, 50, 400050008);

INSERT INTO Payment (Payment\_No, Cash, Card\_No) VALUES (7009, 55, 400050009);

INSERT INTO Payment (Payment\_No, Cash, Card\_No) VALUES (7010, 25, 400050010);

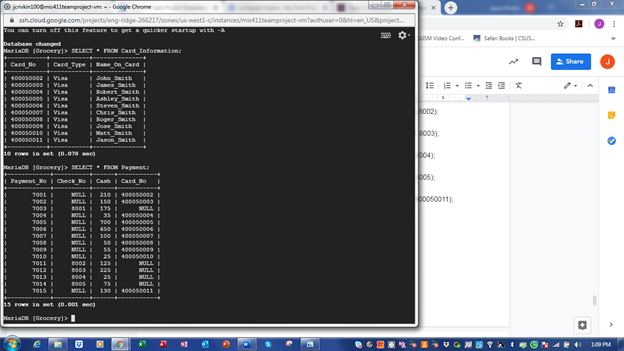
INSERT INTO Payment (Payment\_No, Cash, Check\_No) VALUES (7011, 125, 8002);

INSERT INTO Payment (Payment\_No, Cash, Check\_No) VALUES (7012, 225, 8003);

INSERT INTO Payment (Payment\_No, Cash, Check\_No) VALUES (7013, 25, 8004);

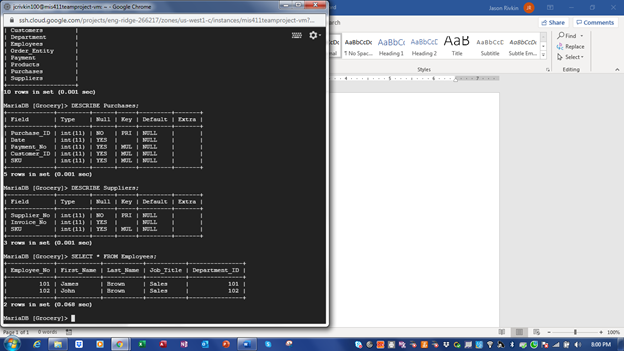
INSERT INTO Payment (Payment\_No, Cash, Check\_No) VALUES (7014, 75, 8005);

INSERT INTO Payment (Payment\_No, Cash, Card\_No) VALUES (7015, 130, 400050011);



INSERT INTO Employees (Employee\_No, First\_Name, Last\_Name, Job\_Title, Department\_ID) VALUES (102, "John", "Brown", "Sales", 102);

INSERT INTO Employees (Employee\_No, First\_Name, Last\_Name, Job\_Title, Department\_ID) VALUES (101, "James", "Brown", "Sales", 101);

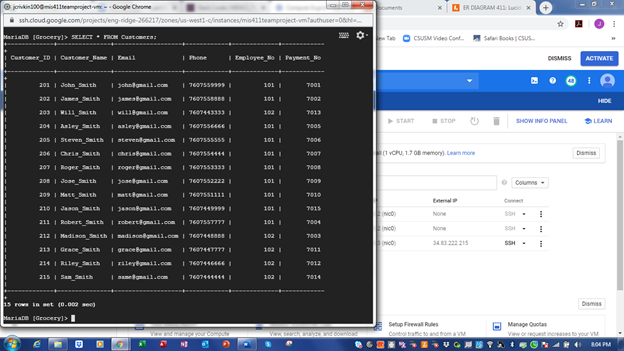


INSERT INTO Customers (Customer\_ID, Customer\_Name, Email, Phone, Employee\_No, Payment\_No) VALUES (201, "John\_Smith", "john@gmail.com", 7607559999, 101, 7001);

INSERT IGNORE INTO Customers (Customer\_ID, Customer\_Name, Email, Phone, Employee\_No, Payment\_No) VALUES (202, "James\_Smith", "james@gmail.com", 7607558888, 101, 7002), (211, "Robert\_Smith", "robert@gmail.com", 7607557777, 101, 7004), (204, "Asley\_Smith", "asley@gmail.com", 7607556666, 101, 7005), (205, "Steven\_Smith", "steven@gmail.com", 7607555555, 101, 7006), (206, "Chris\_Smith", "chris@gmail.com", 7607554444, 101, 7007), (207, "Roger\_Smith", "roger@gmail.com", 7607553333, 101, 7008), (208, "Jose\_Smith", "jose@gmail.com", 7607552222, 101, 7009), (209, "Matt\_Smith", "matt@gmail.com", 7607551111, 101, 7010), (210, "Jason\_Smith", "jason@gmail.com", 7607449999, 101, 7015);

INSERT IGNORE INTO Customers (Customer\_ID, Customer\_Name, Email, Phone, Employee\_No, Payment\_No) VALUES (212, "Madison\_Smith", "madison@gmail.com", 7607448888, 102, 7003), (213, "Grace\_Smith", "grace@gmail.com", 7607447777, 102, 7011), (214, "Riley\_Smith", "riley@gmail.com", 7607446666, 102, 7012), (214, "Bethany\_Smith", "bethany@gmail.com", 7607445555, 102, 7013), (215, "Sam\_Smith", "same@gmail.com", 7607444444, 102, 7014);

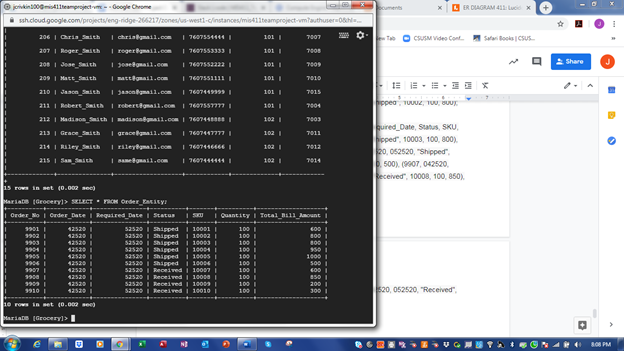
INSERT INTO Customers (Customer\_ID, Customer\_Name, Email, Phone, Employee\_No, Payment\_No) VALUES (203, "Will\_Smith", "will@gmail.com", 7607443333, 102, 7013);



INSERT INTO Order\_Entity (Order\_No, Order\_Date, Required\_Date, Status, SKU, Quantity, Total\_Bill\_Amount) VALUES (9901, 042520, 052520, "Shipped", 10001, 100, 600);

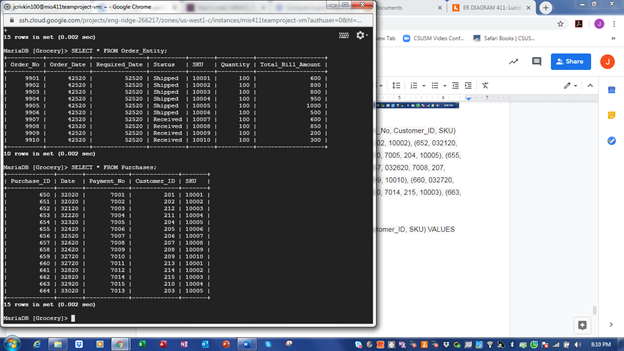
INSERT IGNORE INTO Order\_Entity (Order\_No, Order\_Date, Required\_Date, Status, SKU, Quantity, Total\_Bill\_Amount) VALUES (9902, 042520, 052520, "Shipped", 10002, 100, 800);

INSERT IGNORE INTO Order\_Entity (Order\_No, Order\_Date, Required\_Date, Status, SKU, Quantity, Total\_Bill\_Amount) VALUES (9903, 042520, 052520, "Shipped", 10003, 100, 800), (9904, 042520, 052520, "Shipped", 10004, 100, 950), (9905, 042520, 052520, "Shipped", 10005, 100, 1000), (9906, 042520, 052520, "Shipped", 10006, 100, 500), (9907, 042520, 052520, "Received", 10007, 100, 600), (9908, 042520, 052520, "Received", 10008, 100, 850), (9909, 042520, 052520, "Received", 10009, 100, 200), (9910, 042520, 052520, "Received", 10010, 100, 300);



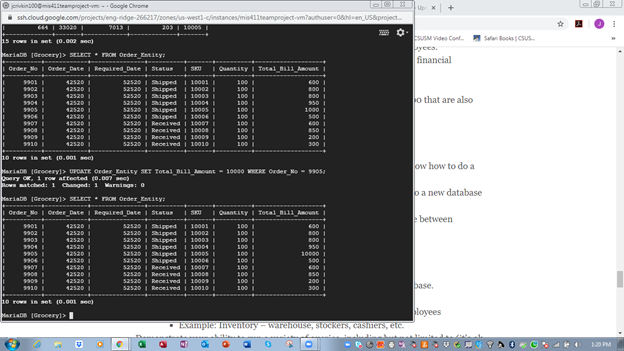
INSERT IGNORE INTO Purchases (Purchase\_ID, Date, Payment\_No, Customer\_ID, SKU) VALUES (650, 032020, 7001, 201, 10001), (651, 032020, 7002, 202, 10002), (652, 032120, 7003, 212, 10003), (653, 032220, 7004, 211, 10004), (654, 032320, 7005, 204, 10005), (655, 032420, 7006, 205, 10006), (656, 032520, 7007, 206, 10007), (657, 032620, 7008, 207, 10008), (658, 032620, 7009, 208, 10009), (659, 032720, 7010, 209, 10010), (660, 032720, 7011, 213, 10001), (661, 032820, 7012, 214, 10002), (662, 032820, 7014, 215, 10003), (663, 032920, 7015, 210, 10004);

INSERT INTO Purchases (Purchase\_ID, Date, Payment\_No, Customer\_ID, SKU) VALUES (664, 033020, 7013, 203, 10005);



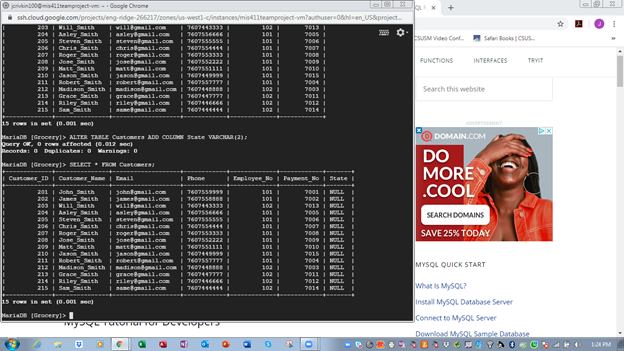
**Modifying Existing Data that We Have Entered**

UPDATE Order\_Entity SET Total\_Bill\_Amount = 10000 WHERE Order\_No = 9905;

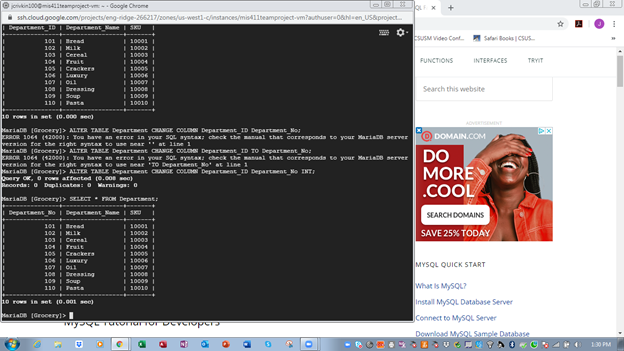


**Adding and Modifying Table Columns**

ALTER TABLE Customers ADD COLUMN State VARCHAR(2);

****

ALTER TABLE Department CHANGE COLUMN Department\_ID Department\_No INT;

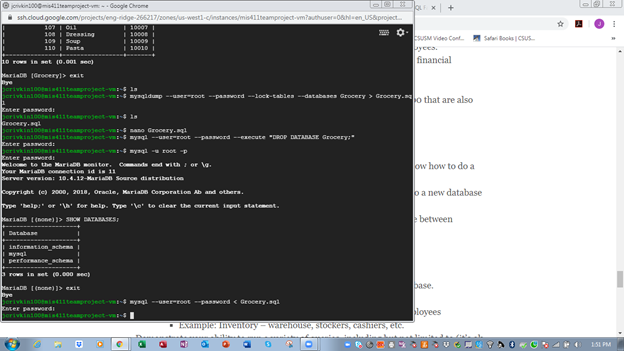
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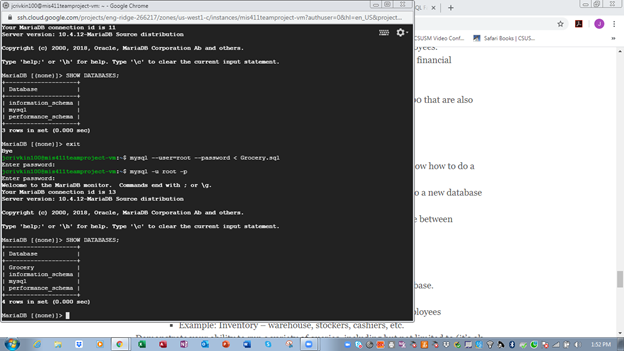
**Backing Up and Restoring Our Database**

mysqldump --user=root --password --lock-tables --databases Grocery > Grocery.sql

mysqldump --user=root --password --execute “DROP DATABASE Grocery;”

mysqldump --user=root --password < Grocery.sql

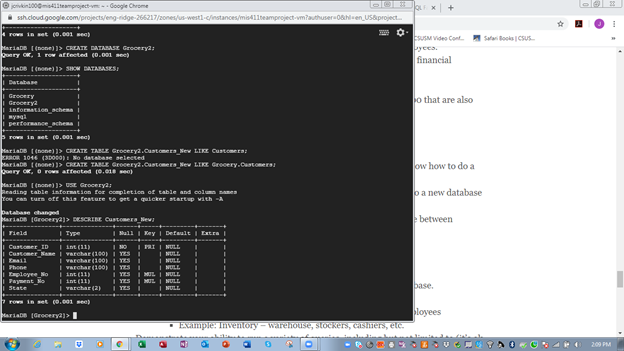
****

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**Copying Table Structure Without the Data Into a New Database**

CREATE DATABASE Grocery2;

CREATE TABLE Grocery2.Customers\_New LIKE Grocery.Customers

****

**Creating and Modifying Access Permissions**

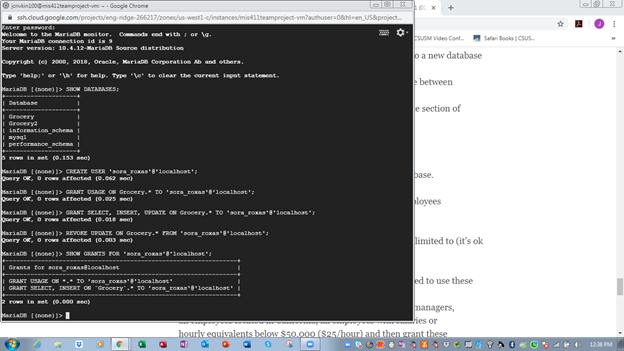
CREATE USER ‘sora\_roxas’@’localhost’;

GRANT USAGE ON Grocery.\* TO ‘sora\_roxas’@’localhost’;

GRANT SELECT, INSERT, UPDATE ON Grocery.\* TO ‘sora\_roxas’@’localhost’;

REVOKE UPDATE ON Grocery.\* FROM ‘sora\_roxas’@’localhost’;

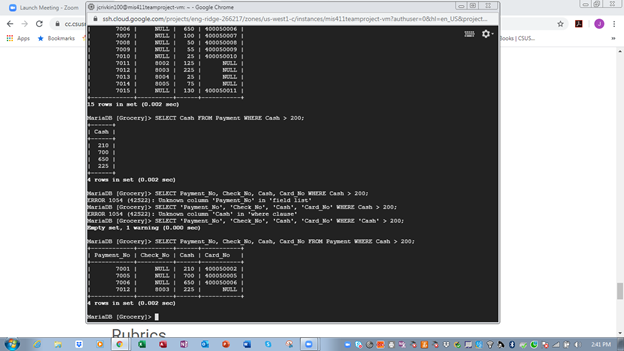
SHOW GRANTS FOR ‘sora\_roxas’@’localhost’;

****

**Running a Variety of Queries**

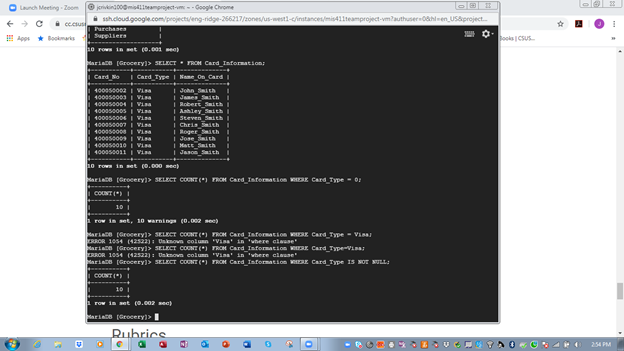
SELECT Cash FROM Payment WHERE Cash > 200;

SELECT Payment\_No, Check\_No, Cash, Card\_No FROM Payment WHERE Cash > 200;

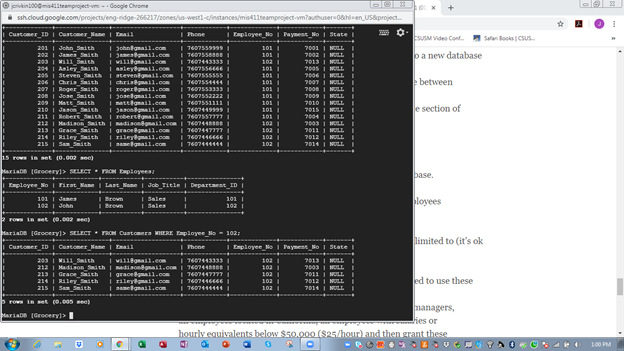
****

SELECT COUNT(\*) FROM Card\_Information WHERE Card\_Type = 0;

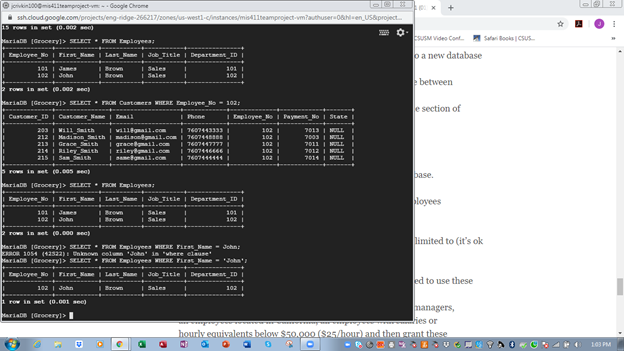
SELECT COUNT(\*) FROM Card\_Information WHERE Card\_Type IS NOT NULL;

****

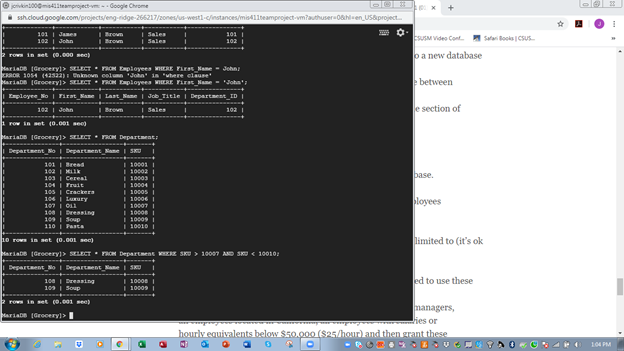
SELECT \* FROM Customers WHERE Employee\_No = 102;

****

SELECT \* FROM Employees WHERE First\_Name = ‘John’;

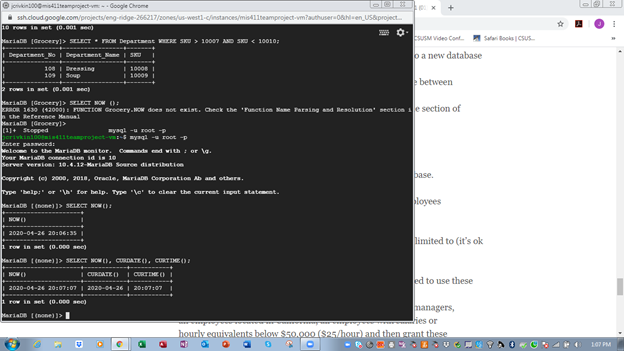
****

SELECT \* FROM Department WHERE SKU > 10007 AND SKU < 10010;

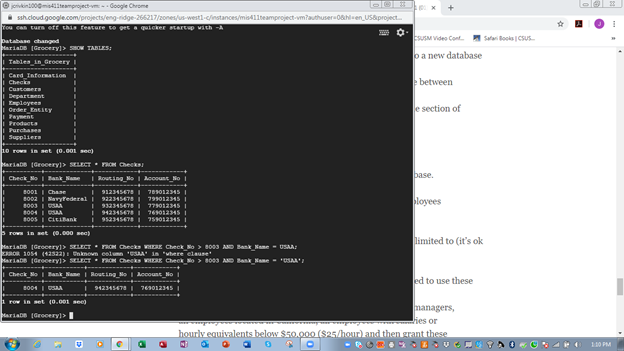
****

SELECT NOW ();

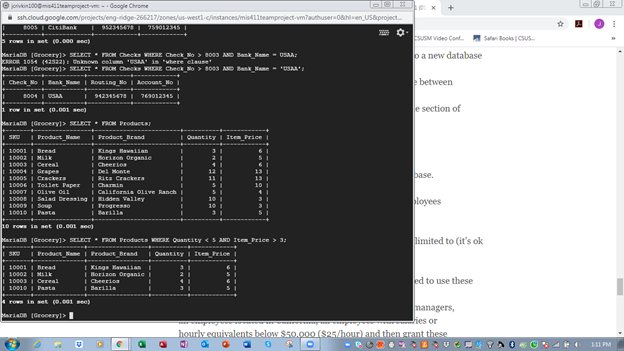
SELECT NOW (), CURDATE(), CURTIME();

****

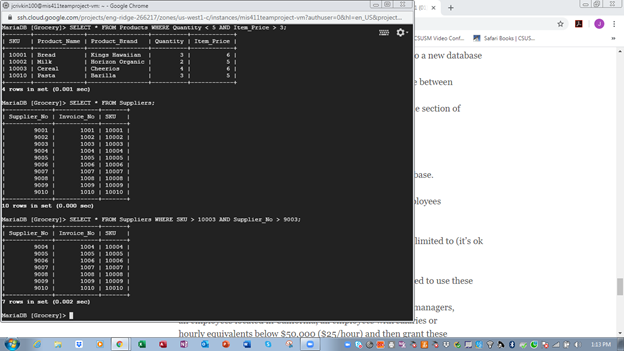
SELECT \* FROM Checks WHERE Check\_No > 8003 AND Bank\_Name = ‘USAA’;

****

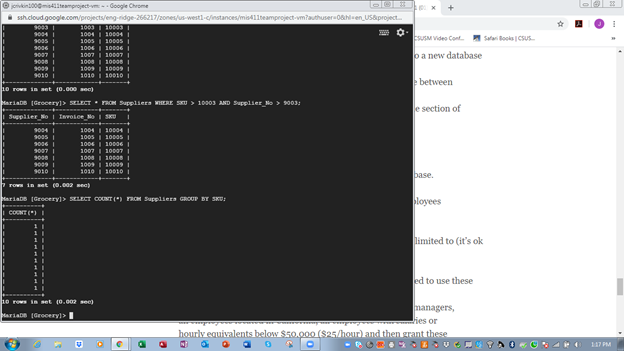
SELECT \* FROM Products WHERE Quantity < 5 AND Item\_Price > 3;

****

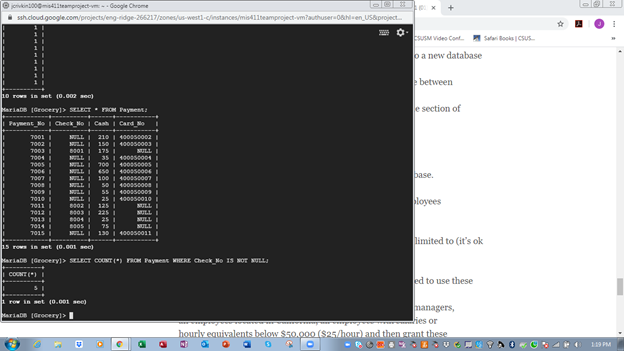
SELECT \* FROM Suppliers WHERE SKU > 10003 AND Supplier\_No > 9003;

****

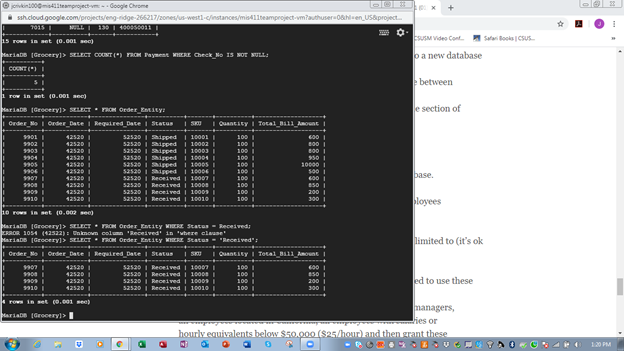
SELECT COUNT(\*) FROM Suppliers GROUP BY SKU;

****

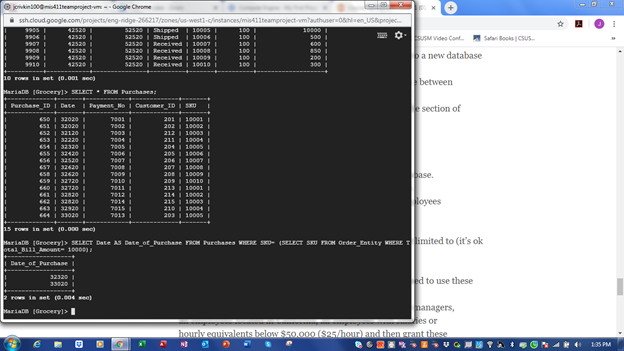
SELECT COUNT(\*) FROM Payment WHERE Check\_No IS NOT NULL;

****

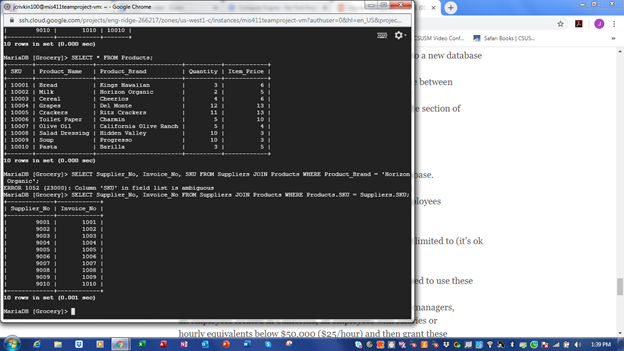
SELECT \* FROM Order\_Entity WHERE Status = ‘Received’;

****

SELECT Date AS Date\_of\_Purchase FROM Purchases WHERE SKU= (SELECT SKU FROM Order\_Entity WHERE Total\_Bill\_Amount= 10000);

****

SELECT Supplier\_No, Invoice\_No FROM Suppliers JOIN Products WHERE Products.SKU = Suppliers.SKU;

****