Jared Adamson

Lab10

**PART A & B:**

CREATE TABLE CustomerInfo ( Cust\_ID INT, first\_Name VARCHAR(32), last\_Name VARCHAR(32), Email VARCHAR(128), PRIMARY KEY ( Cust\_ID ));

**CREATE** **TABLE** CustomerInfo(

Cust\_ID INT,  
first\_Name VARCHAR( 32 ) ,  
last\_Name VARCHAR( 32 ) ,  
Email VARCHAR( 128 ) ,  
**PRIMARY** **KEY** ( Cust\_ID )

)

CREATE TABLE Cust\_Address ( Cust\_ID INT, Home\_Number INT, Street VARCHAR(256), City VARCHAR(128), ZipCode INT, State VARCHAR(32), PRIMARY KEY ( Cust\_ID), FOREIGN KEY (Cust\_ID) REFERENCES CustomerInfo(Cust\_ID));

**CREATE** **TABLE** Cust\_Address(

Cust\_ID INT,  
Home\_Number INT,  
Street VARCHAR( 256 ) ,  
City VARCHAR( 128 ) ,  
ZipCode INT,  
State VARCHAR( 32 ) ,  
**PRIMARY** **KEY** ( Cust\_ID ) ,  
**FOREIGN** **KEY** ( Cust\_ID ) **REFERENCES** CustomerInfo( Cust\_ID )

)

CREATE TABLE Purchases ( Cust\_ID INT, Bill\_Amount DOUBLE, Purchase\_Date VARCHAR(256), FOREIGN KEY (Cust\_ID) REFERENCES CustomerInfo(Cust\_ID));

**CREATE** **TABLE** Purchases(

Cust\_ID INT,  
Bill\_Amount DOUBLE,  
Purchase\_Date VARCHAR( 256 ) ,  
**FOREIGN** **KEY** ( Cust\_ID ) **REFERENCES** CustomerInfo( Cust\_ID )

)

**PART C:**

INSERT INTO CustomerInfo

( Cust\_ID, first\_Name, last\_Name, Email)

VALUES (1000, "John", "Lewis", "JL@cpi310.com"), (1001, "Nancy", "Root", "NR@cpi310.com"),(1002,"John", "Wood","BW@cpi310.com"), (1003, "Ravi", "Sunny","RS@cpi10.com");

**INSERT** **INTO** CustomerInfo(

Cust\_ID,  
first\_Name,  
last\_Name,  
Email

)  
**VALUES** ( 1000, "John", "Lewis", "JL@cpi310.com" ) , ( 1001, "Nancy", "Root", "NR@cpi310.com" ) , ( 1002, "John", "Wood", "BW@cpi310.com" ) , ( 1003, "Ravi", "Sunny", "RS@cpi10.com" )

INSERT INTO Cust\_Address

( Cust\_ID, Home\_Number, Street, City, ZipCode, State)

VALUES (1000, 125, "N. Mill", "Tempe", 85281, "AZ"),(1001, 456, "S. Indian BLDV", "Chandler", 85286, "AZ"),(1002, 897, "49th Street", "Atlanta", 56800, "GA"),(1003, 169, "9th Ave", "Los Angeles", 34567, "CA");

**INSERT** **INTO** Cust\_Address(

Cust\_ID,  
Home\_Number,  
Street,  
City,  
ZipCode,  
State

)  
**VALUES** ( 1000, 125, "N. Mill", "Tempe", 85281, "AZ" ) , ( 1001, 456, "S. Indian BLDV", "Chandler", 85286, "AZ" ) , ( 1002, 897, "49th Street", "Atlanta", 56800, "GA" ) , ( 1003, 169, "9th Ave", "Los Angeles", 34567, "CA" )

INSERT INTO Purchases ( Cust\_ID , Bill\_Amount , Purchase\_Date)

VALUES (1000, 67.90, "22/08/2014"),(1002, 190.00, "5/09/2014"),(1003, 236.78, "4/7/2013"),(1002, 756.67, "29/08/2014"),(1000, 25.12, "16/07/2014"),(1001, 245.67, "15/06/2014");

**INSERT** **INTO** Purchases( Cust\_ID, Bill\_Amount, Purchase\_Date )   
**VALUES** ( 1000, 67.90, "22/08/2014" ) , ( 1002, 190.00, "5/09/2014" ) , ( 1003, 236.78, "4/7/2013" ) , ( 1002, 756.67, "29/08/2014" ) , ( 1000, 25.12, "16/07/2014" ) , ( 1001, 245.67, "15/06/2014" )

**PART D:**

1. SELECT first\_Name, last\_Name FROM CustomerInfo;
2. SELECT Home\_Number, Street, City, ZipCode, State FROM Cust\_Address, CustomerInfo WHERE first\_Name = "John"
3. SELECT first\_Name, last\_Name FROM Purchases, CustomerInfo WHERE Bill\_Amount > 100.00;
4. SELECT SUM(Bill\_Amount) FROM Purchases WHERE Cust\_ID = 1002;
5. SELECT Email FROM Purchases, CustomerInfo WHERE Bill\_Amount>=250.00;