

EIE3112 Lab1 Report

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CreateDB.sql

```
DROP DATABASE IF EXISTS Lab1;  
CREATE DATABASE IF NOT EXISTS Lab1;  
USE Lab1;
```

```
-- MySQL Workbench Forward Engineering
```

```
SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;  
SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,  
FOREIGN_KEY_CHECKS=0;  
SET @OLD_SQL_MODE=@@SQL_MODE,  
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO  
_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE  
_SUBSTITUTION';
```

```
-- -----  
-- Schema mydb  
-- -----
```

```
-- -----  
-- Schema Homework1  
-- -----
```

```
-- -----  
-- Table `Customer`  
-- -----
```

```
CREATE TABLE IF NOT EXISTS `Customer` (  
  `CustNo` CHAR(8) NOT NULL,  
  `FirstName` VARCHAR(45) NULL,  
  `LastName` VARCHAR(45) NULL,  
  `Street` VARCHAR(45) NULL,  
  `City` VARCHAR(45) NULL,  
  `State` VARCHAR(45) NULL,  
  `PhoneNo` VARCHAR(45) NULL,  
  `CustBal` VARCHAR(45) NULL,  
  PRIMARY KEY (`CustNo`))  
ENGINE = InnoDB;
```

```
-- -----
```

-- Table `Employee`

```
-----  
CREATE TABLE IF NOT EXISTS `Employee` (  
  `EmpNo` CHAR(8) NOT NULL,  
  `FirstName` VARCHAR(45) NULL,  
  `LastName` VARCHAR(45) NULL,  
  `PhoneNo` VARCHAR(45) NULL,  
  `Email` VARCHAR(45) NULL,  
  PRIMARY KEY (`EmpNo`))  
ENGINE = InnoDB;
```

-- Table `Order`

```
-----  
CREATE TABLE IF NOT EXISTS `Order` (  
  `OrderNo` CHAR(8) NOT NULL,  
  `OrderDate` VARCHAR(45) NULL,  
  `Customer_CustNo` CHAR(8) NOT NULL,  
  `Employee_EmpNo` CHAR(8) NULL,  
  `CustName` VARCHAR(45) NULL,  
  `Street` VARCHAR(45) NULL,  
  `City` VARCHAR(45) NULL,  
  `State` VARCHAR(45) NULL,  
  `PhoneNo` VARCHAR(45) NULL,  
  PRIMARY KEY (`OrderNo`),  
  INDEX `fk_Order_Customer_idx` (`Customer_CustNo` ASC) VISIBLE,  
  INDEX `fk_Order_Employee1_idx` (`Employee_EmpNo` ASC) VISIBLE,  
  CONSTRAINT `fk_Order_Customer`  
    FOREIGN KEY (`Customer_CustNo`)  
    REFERENCES `Customer` (`CustNo`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION,  
  CONSTRAINT `fk_Order_Employee1`  
    FOREIGN KEY (`Employee_EmpNo`)  
    REFERENCES `Employee` (`EmpNo`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

-- Table `Product`

```
-----  
CREATE TABLE IF NOT EXISTS `Product` (  
  `ProdNo` CHAR(8) NOT NULL,  
  `ProdName` VARCHAR(45) NULL,  
  `Mfg` VARCHAR(45) NULL,
```

```

`Stock` INT NULL,
`Price` VARCHAR(45) NULL,
PRIMARY KEY (`ProdNo`))
ENGINE = InnoDB;

```

```

-----
-- Table `ProductInOrder`
-----

```

```

CREATE TABLE IF NOT EXISTS `ProductInOrder` (
  `Order_OrderNo` CHAR(8) NOT NULL,
  `Product_ProdNo` CHAR(8) NOT NULL,
  `Qty` INT NULL,
  INDEX `fk_ProductInOrder_Order1_idx` (`Order_OrderNo` ASC) VISIBLE,
  INDEX `fk_ProductInOrder_Product1_idx` (`Product_ProdNo` ASC) VISIBLE,
  PRIMARY KEY (`Order_OrderNo`, `Product_ProdNo`),
  CONSTRAINT `fk_ProductInOrder_Order1`
    FOREIGN KEY (`Order_OrderNo`)
      REFERENCES `Order` (`OrderNo`)
      ON DELETE NO ACTION
      ON UPDATE NO ACTION,
  CONSTRAINT `fk_ProductInOrder_Product1`
    FOREIGN KEY (`Product_ProdNo`)
      REFERENCES `Product` (`ProdNo`)
      ON DELETE NO ACTION
      ON UPDATE NO ACTION)
ENGINE = InnoDB;

```

```

SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;

```

LoadData.sql

```

SET GLOBAL local_infile = 'ON';

```

```

SHOW VARIABLES LIKE "local_infile";

```

```

SHOW VARIABLES LIKE "secure_file_priv";

```

```

Set FOREIGN_KEY_CHECKS = 0;
Load data infile "C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/Customer.txt"
into table `customer` Fields Terminated by ',' Enclosed
by '"'
Lines terminated by '\r\n' starting by ";

```

```

Set FOREIGN_KEY_CHECKS = 0;

```

```
Load      data      infile      "C:/ProgramData/MySQL/MySQL      Server
8.0/Uploads/Employee.txt"
into table `employee` Fields Terminated by ',' Enclosed
by ""
Lines terminated by '\r\n' starting by ";
```

```
Set FOREIGN_KEY_CHECKS = 0;
Load data infile "C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/Order.txt"
into table `order` Fields Terminated by ',' Enclosed
by ""
Lines terminated by '\r\n' starting by ";
```

```
Set FOREIGN_KEY_CHECKS = 0;
Load data infile "C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/Product.txt"
into table `product` Fields Terminated by ',' Enclosed
by ""
Lines terminated by '\r\n' starting by ";
```

```
Set FOREIGN_KEY_CHECKS = 0;
Load      data      infile      "C:/ProgramData/MySQL/MySQL      Server
8.0/Uploads/ProductInOrder.txt"
into table `productinorder` Fields Terminated by ',' Enclosed
by ""
Lines terminated by '\r\n' starting by ";
```

```
USE lab1;
SELECT * FROM customer;
```

```
USE lab1;
SELECT * FROM employee;
```

```
USE lab1;
SELECT * FROM `order`;
```

```
USE lab1;
SELECT * FROM product;
```

```
USE lab1;
SELECT * FROM productinorder;
```

```
USE lab1;
INSERT INTO `Customer`
VALUES      ("C1234567","Zhiheng","TANG","Yuk      Choi      Rd","Hong
Kong","HK","12345_6789","$100");
SELECT * FROM `customer` WHERE LastName = 'TANG';
```

```
USE lab1;
```

```
INSERT INTO `order`  
VALUES ("O1234567","5/25/2013","C1234567","E1329594","Zhiheng  
TANG","Yuk Choi Rd.","Hong Kong","HK","12345-6789");  
INSERT INTO `order`  
VALUES ("O1111111","10/1/2007","C1234567","E8544399","Zhiheng  
TANG","Yuk Choi Rd.","Hong Kong","HK","12345-6789");  
SELECT * FROM `order` WHERE Customer_CustNo = 'C1234567';
```

```
USE lab1;  
INSERT INTO `order`  
VALUES ("O1234567","5/25/2013","C1234567","E1329594","Zhiheng  
TANG","Yuk Choi Rd.","Hong Kong","HK","12345-6789");  
INSERT INTO `order`  
VALUES ("O1111111","10/1/2007","C1234567","E8544399","Zhiheng  
TANG","Yuk Choi Rd.","Hong Kong","HK","12345-6789");  
SELECT * FROM `order` WHERE Customer_CustNo = 'C1234567';
```

PART 3.4 (Before inserting my name)

Code:

```
USE lab1;  
SELECT * FROM customer;
```

Output:

Code:

```
USE lab1;  
SELECT * FROM employee;
```

Output:

Code:

```
USE lab1;  
SELECT * FROM `order`;
```

Output:

Code:

```
USE lab1;  
SELECT * FROM product;
```

Output:

Code:

```
USE lab1;  
SELECT * FROM productinorder;
```

Output:

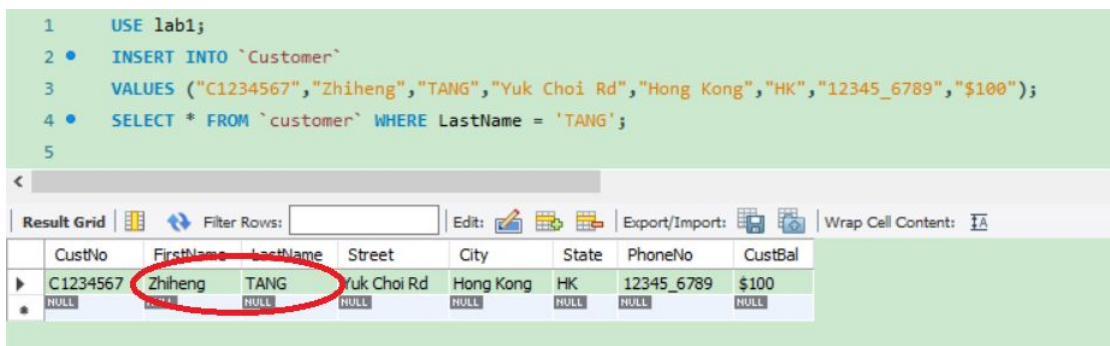
O9919699	P1114590	1
O9919699	P4200344	1
NULL	NULL	NULL

PART 3.5 (Inserting my name)

Code:

```
USE lab1;
INSERT INTO `Customer`
VALUES ("C1234567","Zhiheng","TANG","Yuk Choi Rd","Hong Kong","HK","12345_6789","$100");
SELECT * FROM `customer` WHERE LastName = 'TANG';
```

Output:



```
1  USE lab1;
2  •  INSERT INTO `Customer`
3  VALUES ("C1234567","Zhiheng","TANG","Yuk Choi Rd","Hong Kong","HK","12345_6789","$100");
4  •  SELECT * FROM `customer` WHERE LastName = 'TANG';
5
```

CustNo	Firstlname	lastlname	Street	City	State	PhoneNo	CustBal
C1234567	Zhiheng	TANG	Yuk Choi Rd	Hong Kong	HK	12345_6789	\$100
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Code:

```
USE lab1;
INSERT INTO `order`
VALUES ("O1234567","5/25/2013","C1234567","E1329594","Zhiheng TANG","Yuk Choi Rd.","Hong Kong","HK","12345-6789");
INSERT INTO `order`
VALUES ("O1111111","10/1/2007","C1234567","E8544399","Zhiheng TANG","Yuk Choi Rd.","Hong Kong","HK","12345-6789");
SELECT * FROM `order` WHERE Customer_CustNo = 'C1234567';
```

Output:

```

1  USE lab1;
2  • INSERT INTO `order`
3  VALUES ("01234567","5/25/2013","C1234567","E1329594","Zhiheng TANG","Yuk Choi Rd.,"Hong Kong","HK","12345-6789");
4  • INSERT INTO `order`
5  VALUES ("01111111","10/1/2007","C1234567","E8544399","Zhiheng TANG","Yuk Choi Rd.,"Hong Kong","HK","12345-6789");
6  • SELECT * FROM `order` WHERE Customer_CustNo = 'C1234567';
7
8

```

Result Grid

	OrderNo	OrderDate	Customer_CustNo	Employee_EmpNo	CustName	Street	City	State	PhoneNo
▶	O1111111	10/1/2007	C1234567	E8544399	Zhiheng TANG	Yuk Choi Rd.	Hong Kong	HK	12345-6789
	O1234567	5/25/2013	C1234567	E1329594	Zhiheng TANG	Yuk Choi Rd.	Hong Kong	HK	12345-6789
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Form Editor

PART 4: Single Table Queries

(1)

Code:

```

SELECT CustNo, FirstName, LastName, CustBal
FROM customer
WHERE State = 'CO'

```

Output:

(2)

Code:

```
SELECT CustNo, FirstName, LastName, Street, City, State  
FROM customer  
WHERE City = 'Hong Kong'
```

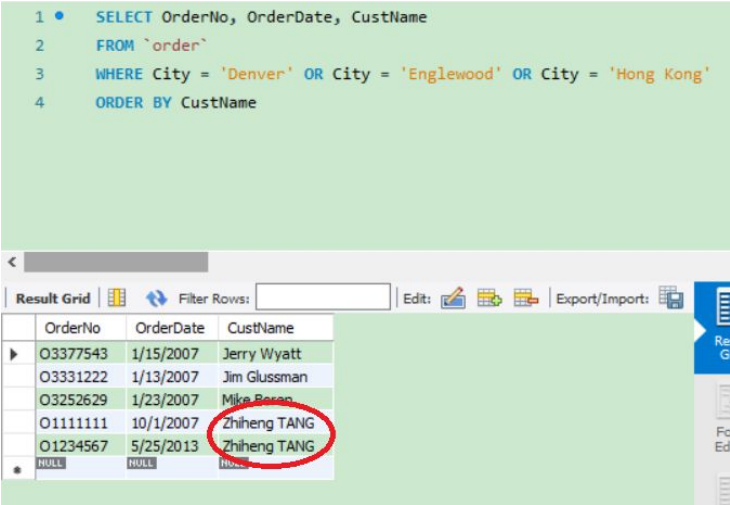
Output:

(3)

Code:

```
SELECT OrderNo, OrderDate, CustName  
FROM `order`  
WHERE City = 'Denver' OR City = 'Englewood' OR City = 'Hong Kong'  
ORDER BY CustName
```

Output:



```
1 • SELECT OrderNo, OrderDate, CustName  
2 FROM `order`  
3 WHERE City = 'Denver' OR City = 'Englewood' OR City = 'Hong Kong'  
4 ORDER BY CustName
```

OrderNo	OrderDate	CustName
O3377543	1/15/2007	Jerry Wyatt
O3331222	1/13/2007	Jim Glusman
O3252629	1/23/2007	Mike Rosen
O1111111	10/1/2007	Zhiheng TANG
O1234567	5/25/2013	Zhiheng TANG

(4)

Code:

```
SELECT *  
FROM `order`  
ORDER BY STR_TO_DATE(OrderDate, "%m/%d/%Y")
```

Output:

(5)

Code:

```
SELECT *  
FROM `order`  
WHERE STR_TO_DATE(OrderDate, "%m/%d/%Y") BETWEEN '2007-1-1' AND  
'2007-1-15' AND Employee_EmpNo IS NULL
```

Output:

(6)

Code:

```
SELECT *
FROM `order`
WHERE STR_TO_DATE(OrderDate, "%m/%d/%Y") < '2014-1-1'
AND Employee_EmpNo IS NOT NULL
```

Output:

```
1 • SELECT *
2 FROM `order`
3 WHERE STR_TO_DATE(OrderDate, "%m/%d/%Y") < '2014-1-1'
4 AND Employee_EmpNo IS NOT NULL
5
```

OrderNo	OrderDate	Customer_CustNo	Employee_EmpNo	CustName	Street	City	State	PhoneNo
O1111111	10/1/2007	C1234567	E8544399	Zhiheng TANG	Yuk Choi Rd.	Hong Kong	HK	12345-6789
O1116324	1/23/2007	C0954327	E8544399	Sheri Gordon	336 Hill St.	Littleton	CO	80129-5543
O1231231	1/23/2007	C9432910	E9954302	Larry Shyles	9825 S. Crest Lane	Bellevue	WA	98104-2211
O1234567	5/25/2013	C1234567	E1329594	Zhiheng TANG	Yuk Choi Rd.	Hong Kong	HK	12345-6789
O1455122	1/9/2007	C8574932	E9345771	Wally Jones	411 Webber Ave.	Seattle	WA	98105-1093
O1579999	1/5/2007	C9543029	E8544399	Tom Johnson	1632 Ocean Dr.	Des Moines	WA	98222-1123
O1615141	1/23/2007	C8654390	E8544399	Candy Kendall	456 Pine St.	Seattle	WA	98105-3345
O2233457	1/12/2007	C2388597	E9884325	Beth Taylor	2396 Rafter Rd	Seattle	WA	98103-1121
O2334661	1/14/2007	C0954327	E1329594	Mrs. Ruth Gordon	233 S. 166th	Seattle	WA	98011
O3252629	1/23/2007	C9403348	E9954302	Mike Boren	642 Crest Ave.	Englewood	CO	80113-5431
O3377543	1/15/2007	C9128574	E8843211	Jerry Wyatt	16212 123rd Ct.	Denver	CO	80222-0022
O4714645	1/11/2007	C2388597	E1329594	Beth Taylor	2396 Rafter Rd	Seattle	WA	98103-1121
O5511365	1/22/2007	C3340959	E9884325	Betty White	4334 153rd NW	Seattle	WA	98178-3311
O6565656	1/20/2007	C9865874	E8843211	Mr. Jack Sibley	166 E. 344th	Renton	WA	98006-5543
O7959898	2/19/2007	C8543321	E8544399	Ron Thompson	789 122nd St.	Renton	WA	98666-1289
O7989497	1/16/2007	C3499503	E9345771	Bob Mann	1190 Lorraine Cir.	Monroe	WA	98013-1095
O9919699	2/11/2007	C9857432	E9954302	Homer Wells	123 Main St.	Seattle	WA	98105-4322
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

(7)

Code:

```
SELECT *
FROM product
WHERE ProdName LIKE '%Ink Jet%'
```

Output:

```
1 • SELECT *
2 FROM product
3 WHERE ProdName LIKE '%Ink Jet%'
4
```

ProdNo	ProdName	Mfg	Stock	Price
P1556678	CVP Ink Jet Color Printer	Connex	8	\$99.00
P3455443	Color Ink Jet Cartridge	Connex	24	\$38.00
P6677900	Black Ink Jet Cartridge	Connex	44	\$25.69
NULL	NULL	NULL	NULL	NULL

(8)

Code:

```
SELECT *  
FROM product  
WHERE CAST(SUBSTRING(Price,2) AS DECIMAL(9,2)) > 30  
ORDER BY CAST(SUBSTRING(Price,2) AS DECIMAL(9,2))
```

Output:

(9)

Code:

```
SELECT CustNo, FirstName, LastName, City, CustBal  
FROM customer  
WHERE City = 'Seattle' AND CAST(SUBSTRING(CustBal,2) AS DECIMAL(9,2))  
> 150  
OR City = 'Hong Kong' AND CAST(SUBSTRING(CustBal,2) AS DECIMAL(9,2))  
> 50
```

Output:

(10)

Code:

```
SELECT DISTINCT City, State  
FROM `order`
```

Output:

(11)

Code:

```
SELECT CustNo, CONCAT(FirstName, ' ', LastName) AS 'Name', CustBal, State,  
PhoneNo, CustBal  
FROM customer
```

Output:

Part 5: Multiple Tables Queries

(1)

Code:

```
SELECT `order`.OrderNo, `order`.OrderDate, customer.CustNo, customer.FirstName,  
customer.LastName  
FROM customer INNER JOIN (`order`)  
ON customer.CustNo = `order`.Customer_CustNo  
WHERE customer.State = 'CO' AND `order`.State = 'WA'
```

Output:

(2)

Code:

```
SELECT `order`.OrderNo, `order`.OrderDate, customer.CustNo, customer.FirstName,  
customer.LastName  
FROM customer INNER JOIN (`order`)  
ON customer.CustNo = `order`.Customer_CustNo  
WHERE STR_TO_DATE(OrderDate, "%m/%d/%Y") > '2007-1-2' AND  
(`order`.State = 'CO' OR `order`.State = 'HK')
```

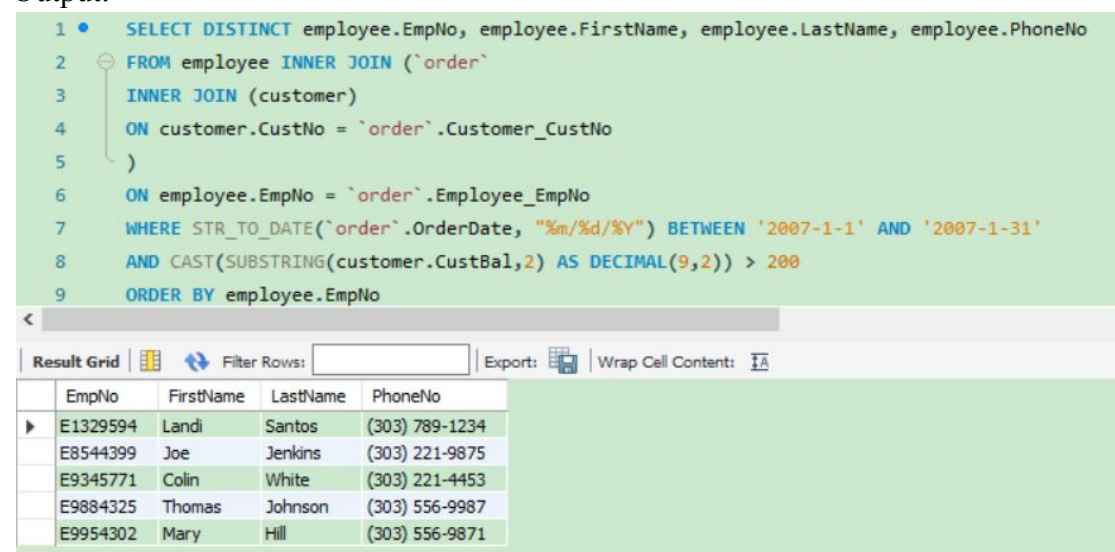
Output:

(3)

Code:

```
SELECT DISTINCT employee.EmpNo, employee.FirstName, employee.LastName,
employee.PhoneNo
FROM employee INNER JOIN (`order`
INNER JOIN (customer)
ON customer.CustNo = `order`.Customer_CustNo
)
ON employee.EmpNo = `order`.Employee_EmpNo
WHERE STR_TO_DATE(`order`.OrderDate, "%m/%d/%Y") BETWEEN '2007-1-1'
AND '2007-1-31'
AND CAST(SUBSTRING(customer.CustBal,2) AS DECIMAL(9,2)) > 200
ORDER BY employee.EmpNo
```

Output:



```
1 • SELECT DISTINCT employee.EmpNo, employee.FirstName, employee.LastName, employee.PhoneNo
2 FROM employee INNER JOIN (`order`
3 INNER JOIN (customer)
4 ON customer.CustNo = `order`.Customer_CustNo
5 )
6 ON employee.EmpNo = `order`.Employee_EmpNo
7 WHERE STR_TO_DATE(`order`.OrderDate, "%m/%d/%Y") BETWEEN '2007-1-1' AND '2007-1-31'
8 AND CAST(SUBSTRING(customer.CustBal,2) AS DECIMAL(9,2)) > 200
9 ORDER BY employee.EmpNo
```

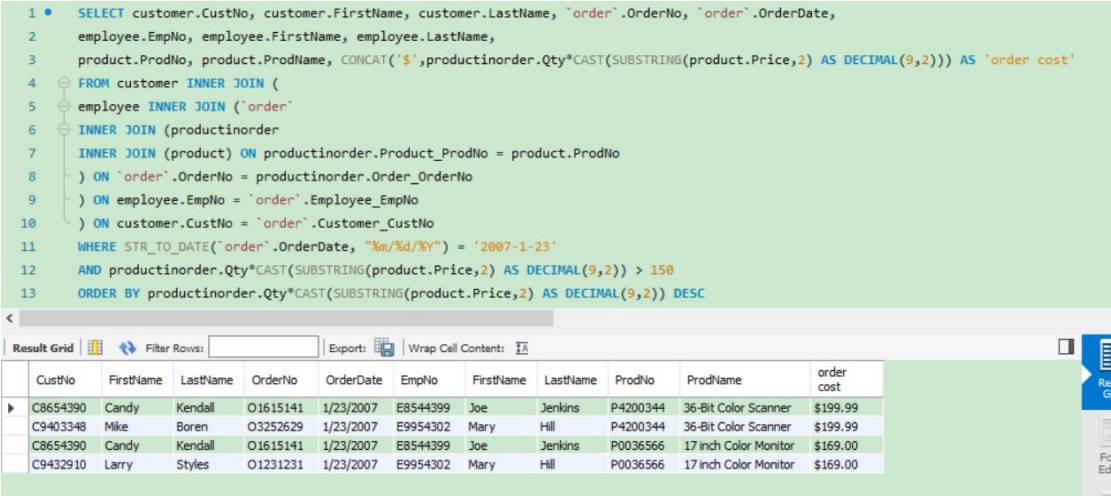
EmpNo	FirstName	LastName	PhoneNo
E1329594	Landi	Santos	(303) 789-1234
E8544399	Joe	Jenkins	(303) 221-9875
E9345771	Colin	White	(303) 221-4453
E9884325	Thomas	Johnson	(303) 556-9987
E9954302	Mary	Hill	(303) 556-9871

(4)

Code:

```
SELECT      customer.CustNo,      customer.FirstName,      customer.LastName,
`order`.OrderNo,  `order`.OrderDate,  employee.EmpNo,  employee.FirstName,
employee.LastName,
product.ProdNo,                                     product.ProdName,
CONCAT('$',productinorder.Qty*CAST(SUBSTRING(product.Price,2) AS
DECIMAL(9,2))) AS 'order cost'
FROM customer INNER JOIN (
employee INNER JOIN (`order`
INNER JOIN (productinorder
INNER JOIN (product) ON productinorder.Product_ProdNo = product.ProdNo
) ON `order`.OrderNo = productinorder.Order_OrderNo
) ON employee.EmpNo = `order`.Employee_EmpNo
) ON customer.CustNo = `order`.Customer_CustNo
WHERE STR_TO_DATE(`order`.OrderDate, "%m/%d/%Y") = '2007-1-23'
AND productinorder.Qty*CAST(SUBSTRING(product.Price,2) AS DECIMAL(9,2))
> 150
ORDER BY      productinorder.Qty*CAST(SUBSTRING(product.Price,2) AS
DECIMAL(9,2)) DESC
```

Output:



```
1 SELECT customer.CustNo, customer.FirstName, customer.LastName, `order`.OrderNo, `order`.OrderDate,
2 employee.EmpNo, employee.FirstName, employee.LastName,
3 product.ProdNo, product.ProdName, CONCAT('$',productinorder.Qty*CAST(SUBSTRING(product.Price,2) AS DECIMAL(9,2))) AS 'order cost'
4 FROM customer INNER JOIN (
5 employee INNER JOIN (`order`
6 INNER JOIN (productinorder
7 INNER JOIN (product) ON productinorder.Product_ProdNo = product.ProdNo
8 ) ON `order`.OrderNo = productinorder.Order_OrderNo
9 ) ON employee.EmpNo = `order`.Employee_EmpNo
10 ) ON customer.CustNo = `order`.Customer_CustNo
11 WHERE STR_TO_DATE(`order`.OrderDate, "%m/%d/%Y") = '2007-1-23'
12 AND productinorder.Qty*CAST(SUBSTRING(product.Price,2) AS DECIMAL(9,2)) > 150
13 ORDER BY productinorder.Qty*CAST(SUBSTRING(product.Price,2) AS DECIMAL(9,2)) DESC
```

CustNo	FirstName	LastName	OrderNo	OrderDate	EmpNo	FirstName	LastName	ProdNo	ProdName	order cost
C8654390	Candy	Kendall	O1615141	1/23/2007	E8544399	Joe	Jenkins	P4200344	36-Bit Color Scanner	\$199.99
C9403348	Mike	Boren	O3252629	1/23/2007	E9954302	Mary	Hill	P4200344	36-Bit Color Scanner	\$199.99
C8654390	Candy	Kendall	O1615141	1/23/2007	E8544399	Joe	Jenkins	P0036566	17 inch Color Monitor	\$169.00
C9432910	Larry	Styles	O1231231	1/23/2007	E9954302	Mary	Hill	P0036566	17 inch Color Monitor	\$169.00

(5)

Code:

```
SELECT product.ProdNo, product.ProdName , product.Price
FROM product INNER JOIN(
productinorder INNER JOIN (
`order` INNER JOIN (
customer
) ON customer.CustNo = `order`.Customer_CustNo
) ON `order`.OrderNo = productinorder.Order_OrderNo
) ON productinorder.Product_ProdNo = Product.ProdNo
WHERE customer.CustNo = 'C0954327' AND STR_TO_DATE(`order`.OrderDate,
"%m/%d/%Y") BETWEEN '2007-1-1' AND '2007-1-31'
```

Output:

(6)

Code:

```
SELECT    customer.FirstName,    customer.LastName,    employee.FirstName,  
employee.LastName  
FROM customer INNER JOIN (  
employee INNER JOIN `order`  
) ON employee.EmpNo = `order`.Employee_EmpNo  
) ON customer.CustNo = `order`.Customer_CustNo  
WHERE employee.FirstName = 'Amy' AND employee.LastName = 'Tang'
```


Output:

(7)

Code:

```
SELECT customer.FirstName, customer.LastName
FROM customer INNER JOIN (
employee INNER JOIN (`order`
) ON employee.EmpNo = `order`.Employee_EmpNo
) ON customer.CustNo = `order`.Customer_CustNo
WHERE CONCAT(customer.FirstName,' ',customer.LastName)
IN (SELECT CONCAT(employee.FirstName,' ',employee.LastName) FROM
employee)
```

Output:



The screenshot shows a SQL query editor with a light green background. The query is as follows:

```
1 • SELECT customer.FirstName, customer.LastName
2 FROM customer INNER JOIN (
3 employee INNER JOIN (`order`
4 ) ON employee.EmpNo = `order`.Employee_EmpNo
5 ) ON customer.CustNo = `order`.Customer_CustNo
6 WHERE CONCAT(customer.FirstName,' ',customer.LastName)
7 IN (SELECT CONCAT(employee.FirstName,' ',employee.LastName) FROM employee)
8
9
```

Below the query editor is a toolbar with icons for 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. Below the toolbar is a 'Result Grid' table with two columns: 'FirstName' and 'LastName'. The first row of data shows 'Mary' and 'Hill'.

FirstName	LastName
Mary	Hill

(8)

Code:

```
SELECT `order`.OrderNo, `order`.OrderDate, customer.CustNo, `Order`.CustName,  
customer.State, `order`.state  
FROM customer INNER JOIN (`order`  
) ON customer.CustNo = `order`.Customer_CustNo  
WHERE customer.State <> `order`.state
```

Output:

```
1 • SELECT `order`.OrderNo, `order`.OrderDate, customer.CustNo, `Order`.CustName,  
2     customer.State, `order`.state  
3 FROM customer INNER JOIN (`order`  
4 ) ON customer.CustNo = `order`.Customer_CustNo  
5 WHERE customer.State <> `order`.state  
6  
7
```

	OrderNo	OrderDate	CustNo	CustName	State	state
▶	O2334661	1/14/2007	C0954327	Mrs. Ruth Gordon	CO	WA
	O6565656	1/20/2007	C9865874	Mr. Jack Sibley	CO	WA
	O8979495	1/23/2007	C9865874	HelenSibley	CO	WA