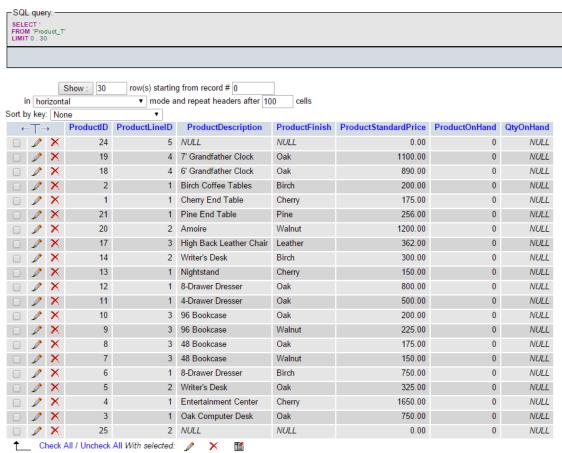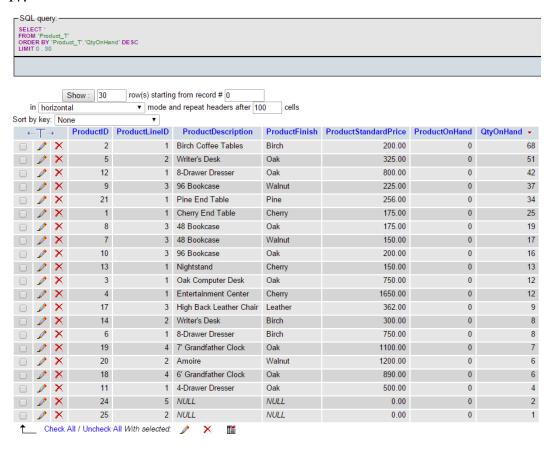Mihai Dan
CS275-001
Assignment 4
11/2/14

Chapter 6:
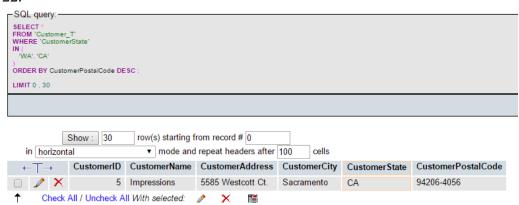
16.

SQL query:

SELECT *
FROM `Product_T`
LIMIT 0 , 30

Show : 30 row(s) starting from record # 0
in horizontal mode and repeat headers after 100 cells
Sort by key: None

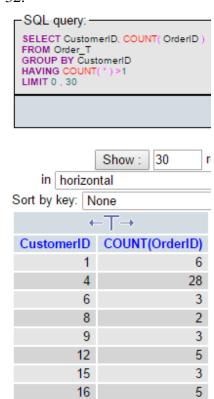| ←T→			ProductID	ProductLineID	ProductDescription	ProductFinish	ProductStandardPrice	ProductOnHand	QtyOnHand
☐	✎	✕	24	5	NULL	NULL	0.00	0	NULL
☐	✎	✕	19	4	7' Grandfather Clock	Oak	1100.00	0	NULL
☐	✎	✕	18	4	6' Grandfather Clock	Oak	890.00	0	NULL
☐	✎	✕	2	1	Birch Coffee Tables	Birch	200.00	0	NULL
☐	✎	✕	1	1	Cherry End Table	Cherry	175.00	0	NULL
☐	✎	✕	21	1	Pine End Table	Pine	256.00	0	NULL
☐	✎	✕	20	2	Amoire	Walnut	1200.00	0	NULL
☐	✎	✕	17	3	High Back Leather Chair	Leather	362.00	0	NULL
☐	✎	✕	14	2	Writer's Desk	Birch	300.00	0	NULL
☐	✎	✕	13	1	Nightstand	Cherry	150.00	0	NULL
☐	✎	✕	12	1	8-Drawer Dresser	Oak	800.00	0	NULL
☐	✎	✕	11	1	4-Drawer Dresser	Oak	500.00	0	NULL
☐	✎	✕	10	3	96 Bookcase	Oak	200.00	0	NULL
☐	✎	✕	9	3	96 Bookcase	Walnut	225.00	0	NULL
☐	✎	✕	8	3	48 Bookcase	Oak	175.00	0	NULL
☐	✎	✕	7	3	48 Bookcase	Walnut	150.00	0	NULL
☐	✎	✕	6	1	8-Drawer Dresser	Birch	750.00	0	NULL
☐	✎	✕	5	2	Writer's Desk	Oak	325.00	0	NULL
☐	✎	✕	4	1	Entertainment Center	Cherry	1650.00	0	NULL
☐	✎	✕	3	1	Oak Computer Desk	Oak	750.00	0	NULL
☐	✎	✕	25	2	NULL	NULL	0.00	0	NULL

↑ Check All / Uncheck All With selected: ✎ ✕ ▤

17.

Show : 30 row(s) starting from record # 0
in horizontal ▼ mode and repeat headers after 100 cells
Sort by key: None ▼

			ProductID	ProductLineID	ProductDescription	ProductFinish	ProductStandardPrice	ProductOnHand	QtyOnHand ▾
☐	✎	✕	2	1	Birch Coffee Tables	Birch	200.00	0	68
☐	✎	✕	5	2	Writer's Desk	Oak	325.00	0	51
☐	✎	✕	12	1	8-Drawer Dresser	Oak	800.00	0	42
☐	✎	✕	9	3	96 Bookcase	Walnut	225.00	0	37
☐	✎	✕	21	1	Pine End Table	Pine	256.00	0	34
☐	✎	✕	1	1	Cherry End Table	Cherry	175.00	0	25
☐	✎	✕	8	3	48 Bookcase	Oak	175.00	0	19
☐	✎	✕	7	3	48 Bookcase	Walnut	150.00	0	17
☐	✎	✕	10	3	96 Bookcase	Oak	200.00	0	16
☐	✎	✕	13	1	Nightstand	Cherry	150.00	0	13
☐	✎	✕	3	1	Oak Computer Desk	Oak	750.00	0	12
☐	✎	✕	4	1	Entertainment Center	Cherry	1650.00	0	12
☐	✎	✕	17	3	High Back Leather Chair	Leather	362.00	0	9
☐	✎	✕	14	2	Writer's Desk	Birch	300.00	0	8
☐	✎	✕	6	1	8-Drawer Dresser	Birch	750.00	0	8
☐	✎	✕	19	4	7' Grandfather Clock	Oak	1100.00	0	7
☐	✎	✕	20	2	Amoire	Walnut	1200.00	0	6
☐	✎	✕	18	4	6' Grandfather Clock	Oak	890.00	0	6
☐	✎	✕	11	1	4-Drawer Dresser	Oak	500.00	0	4
☐	✎	✕	24	5	NULL	NULL	0.00	0	2
☐	✎	✕	25	2	NULL	NULL	0.00	0	1

↑ Check All / Uncheck All With selected: ✎ ✕ ▤

20.

Show : 30 row(s) starting from record # 0
in horizontal ▼ mode and repeat headers after 100 cells
Sort by key: None ▼

			EmployeeID	EmployeeName	EmployeeAddress	EmployeeCity	EmployeeState	EmployeeZip	EmployeeBirthDate	EmployeeDateHired	EmployeeSupervisor
☐	✎	✕	332445667	Lawrence Haley	5970 Spring Crest Rd	Nashville	TN	54545	1963-08-06 00:00:00	1999-01-05 00:00:00	454-56-768
☐	✎	✕	Laura	Laura Ellenburg	5342 Picklied Trout Lane	Nashville	TN	38010	NULL	2000-02-22 00:00:00	454-56-768

↑ Check All / Uncheck All With selected: ✎ ✕ ▤

21.

Show : 30 row(s) starting from record # 0
in horizontal ▼ mode and repeat headers after 100 cells

			EmployeeID	EmployeeName	EmployeeAddress	EmployeeCity	EmployeeState	EmployeeZip	EmployeeBirthDate	EmployeeDateHired	EmployeeSupervisor
☐	✎	✕	332445667	Lawrence Haley	5970 Spring Crest Rd	Nashville	TN	54545	1963-08-06 00:00:00	1999-01-05 00:00:00	454-56-768

↑ Check All / Uncheck All With selected: ✎ ✕ ▤

22.

```
SQL query:
SELECT *
FROM 'Customer_T'
WHERE 'CustomerState'
IN (
  'WA', 'CA'
)
ORDER BY CustomerPostalCode DESC ;

LIMIT 0 , 30
```

Show : 30 row(s) starting from record # 0
in horizontal ▼ mode and repeat headers after 100 cells

←T→	CustomerID	CustomerName	CustomerAddress	CustomerCity	CustomerState	CustomerPostalCode
☐ ✎ ✗	5	Impressions	5585 Westcott Ct.	Sacramento	CA	94206-4056

↑ Check All / Uncheck All With selected: ✎ ✗ ▤

32.

```
SQL query:
SELECT CustomerID, COUNT( OrderID )
FROM Order_T
GROUP BY CustomerID
HAVING COUNT( * ) >1
LIMIT 0 , 30
```

Show : 30 r
in horizontal
Sort by key: None

←T→	
CustomerID	COUNT(OrderID)
1	6
4	28
6	3
8	2
9	3
12	5
15	3
16	5

36.

```
┌─SQL query:──────────────────┐
│ SELECT SalesPersonID, COUNT( * ) │
│ FROM Order_T                     │
│ WHERE SalesPersonID NOT          │
│ IN ( 3, 5, 9 )                   │
│ GROUP BY SalesPersonID           │
│ LIMIT 0 , 30                     │
└──────────────────────────────┘
```

Show : 30

in horizontal

Sort by key: None

←T→

SalesPersonID	COUNT(*)
2	7
4	3
6	7
8	1

Chapter 7:

16.

```
┌─SQL query:────────────────────────────────────────────────┐
│ SELECT h.EmployeeName, COUNT( m.EmployeeID ) AS HeadCount     │
│ FROM Employee_T AS m                                          │
│ INNER JOIN Employee_T AS h ON m.EmployeeSupervisor = h.EmployeeID │
│ GROUP BY h.EmployeeName                                       │
│ HAVING COUNT( m.EmployeeID ) >1                               │
│ LIMIT 0 , 30                                                  │
│                                              ☐ Profilir       │
└────────────────────────────────────────────────────────────┘
```

Show : 30   row(s) starting from record # 0

in horizontal   ▼ mode and repeat header

←T→

EmployeeName	HeadCount
Robert Lewis	3

25.

SQL query:

SELECT DISTINCT SalespersonName, ProductFinish, SUM(OrderedQuantity) AS TotSales
FROM Salesperson_T, OrderLine_T, Product_T, Order_T
WHERE Salesperson_T.SalespersonID = Order_T.SalespersonID
AND Order_T.OrderID = OrderLine_T.OrderID
AND OrderLine_T.ProductID = Product_T.ProductID
GROUP BY SalespersonName, ProductFinish
LIMIT 0 , 30

☐ Profiling [Edit] [Explain SQL

Show : 30 row(s) starting from record # 0

in horizontal ▼ mode and repeat headers after 100 cells

←T→

SalespersonName	ProductFinish	TotSales
Fred Flinstone	Cherry	2
Jacob Winslow	Birch	3
Jacob Winslow	Cherry	1
Jacob Winslow	Oak	5
Julie Dawson	Birch	10
Julie Dawson	Oak	10
Mary James	Birch	2
Mary James	Oak	3
Pepe Lepue	Cherry	0
Pepe Lepue	Oak	5
Robert Lewis	Birch	2
Robert Lewis	Cherry	1
Robert Lewis	Leather	5
Robert Lewis	Walnut	4
William Strong	Birch	32
William Strong	Cherry	9
William Strong	Oak	23

30.

```
SQL query:
SELECT m.ProductDescription, COUNT( OrderID )
FROM Product_T m
LEFT JOIN OrderLine_T ol ON m.ProductID = ol.ProductID
GROUP BY m.ProductDescription
LIMIT 0 , 30
```

Show : 30 row(s) starting fr

in horizontal ▼ mode and

←T→

ProductDescription	COUNT(OrderID)
NULL	0
4-Drawer Dresser	0
48 Bookcase	2
6' Grandfather Clock	0
7' Grandfather Clock	0
8-Drawer Dresser	3
96 Bookcase	1
Amoire	1
Birch Coffee Tables	5
Cherry End Table	7
Entertainment Center	7
High Back Leather Chair	1
Nightstand	1
Oak Computer Desk	7
Pine End Table	0
Writer's Desk	4

Extra Credit: Migrating from Oracle to MySQL

Before reading on further in the assignment and realizing that a copy of the already migrated files was available, I went ahead and converted the file from Oracle to MySQL manually. The first thing I did in converting the files is change all of the NUMBER to INT. I went through and took out all of the comments that were previously there because when converting, having the comments there threw and error on the database. There was also a discrepancy between some of the input types. Oracle had a special time stamp function for inputting time and dates, while MySQL simply had text input for dates. Other syntax changes were applied to this migration.