

THE UNIVERSITY OF TULSA  
COLLINS COLLEGE OF BUSINESS  
ENTERPRISE DATA SYSTEMS  
CASE STUDY – 2: NOAH L. SCHRICK - 1492657



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**Instructor:** Dr. Ismail Abdulrashid

**Instructions:**

For this case study, MDC\_CH02 database needs to be used.

- You can find the case study: MARCIA'S DRY-CLEANING QUESTIONS at the end of the chapter (Questions A-U)
- Submit through Harvey drop box
- Deliverable: You are expected to submit
  - A single SQL script file (.sql) prepared and saved in SQL Server Management Studio that includes your SQL statements that answer each of the questions in order.
  - A single word file (this file) that you copied all of your SQL script.
- Each query should start with a comment line that looks like the following (last character corresponding to question number):  
`/* *** CS2-A*** */`
- This line should follow the SQL statement that is your answer to the particular question
- You should include at least one line of white space between your answer SQL statements
- Do not include the result table unless it is said so!
- Check due date on Harvey!
- Students who submit work late will receive a penalty of 15 percent applied to the grade achieved on the late assignment for each day regardless of the hours of the day on which the work is submitted (e.g. 2 days late 30% penalty).
- Students who submit assignments more than one-week late will receive a grade of zero on the assignment unless they have made prior arrangements with the instructor.
- GOOD LUCK!

<b>Student Names:</b>	Noah L. Schrick			<b>Group:</b>	
	<b>Available Score</b>	<b>Deductions</b>	<b>Your Score</b>	<b>Comment</b>	
Presentation / Design, Names	5				
A	3				
B	3				
C	3				
D	3				
E	3				
F	4				
G	4				
H	4				
I	4				
J	4				
K	5				
L	5				
M	5				
N	5				
O	5				
P	5				
Q	6				
R	6				
S	6				
T	6				
U	6				

TOTAL	100			
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Your answer should look like this:

```
/* Your Names-Group Name */
/* *** CS2-A *** */
SELECT      SKU, SKU_Description
FROM        INVENTORY;
```

```
/* *** CS2-B *** */
SELECT      SKU, SKU_Description
FROM        INVENTORY;
```

```
/* *** CS2-C *** */
SELECT      SKU, SKU_Description
FROM        INVENTORY;
```

...

```
/* *** CS2-A *** */  
SELECT *  
    FROM CUSTOMER, INVOICE, INVOICE_ITEM ii  
;
```

```
/* *** CS2-B *** */  
SELECT LastName, FirstName, Phone  
    FROM CUSTOMER  
;
```

```
/* *** CS2-C *** */  
SELECT LastName, FirstName, Phone  
    FROM CUSTOMER  
        WHERE FirstName = 'Nikki'  
;
```

```
/* *** CS2-D *** */  
SELECT LastName, FirstName, Phone, DateIn, DateOut  
    FROM CUSTOMER, INVOICE  
        WHERE TotalAmount > 100  
;
```

```
/* *** CS2-E *** */  
SELECT LastName, FirstName, Phone  
    FROM CUSTOMER  
        WHERE FirstName LIKE 'B%'  
;
```

```
/* *** CS2-F *** */
```

```
SELECT LastName, FirstName, Phone
```

```
FROM CUSTOMER
```

```
WHERE LastName LIKE '%cat%'
```

```
;
```

```
/* *** CS2-G *** */
```

```
SELECT LastName, FirstName, Phone
```

```
FROM CUSTOMER
```

```
WHERE Phone Like '_23%'
```

```
;
```

```
/* *** CS2-H *** */
```

```
SELECT MAX(TotalAmount) AS MaxTotalAmount,
```

```
MIN(TotalAmount) AS MinTotalAmount
```

```
FROM INVOICE
```

```
;
```

```
/* *** CS2-I *** */
```

```
SELECT AVG(TotalAmount) AS AvgTotalAmount
```

```
FROM INVOICE
```

```
;
```

```
/* *** CS2-J *** */
```

```
SELECT COUNT(CustomerID) AS TotalCustomers
```

```
FROM CUSTOMER
```

```
;
```

```
/* *** CS2-K *** */
```

```
SELECT LastName, FirstName
```

```
FROM CUSTOMER
```

```
GROUP BY LastName, FirstName
```

```
;
```

```
/* *** CS2-L *** */
```

```
SELECT LastName, FirstName,
```

```
COUNT(*) AS LastFirstNameCombo
```

```
FROM CUSTOMER
```

```
GROUP BY LastName, FirstName
```

```
;
```

```
/* *** CS2-M *** */
```

```
SELECT LastName, FirstName, Phone
```

```
FROM CUSTOMER
```

```
WHERE CustomerID IN
```

```
(SELECT CustomerID
```

```
FROM INVOICE
```

```
WHERE TotalAmount > 100.0
```

```
)
```

```
ORDER BY LastName ASC, FirstName DESC
```

```
;
```

```
/* *** CS2-N *** */
```

```
SELECT Cust.LastName, Cust.FirstName, Cust.Phone
```

```
FROM CUSTOMER AS Cust, Invoice AS Inv
```

```
WHERE Inv.TotalAmount > 100.00
```

```
ORDER BY LastName ASC, FirstName DESC
```

```
;
```

```
/* *** CS2-O *** */
```

```
SELECT LastName, FirstName, Phone
```

```
FROM CUSTOMER JOIN INVOICE
```

```
ON CUSTOMER.CustomerID = INVOICE.CustomerID
```

```
WHERE TotalAmount > 100.00
```

```
ORDER BY LastName ASC, FirstName DESC
```

```
;
```

```
/* *** CS2-P *** */
```

```
SELECT LastName, FirstName, Phone
      FROM CUSTOMER
      WHERE CUSTOMER.CustomerID IN
            (SELECT CustomerID
              FROM INVOICE
              WHERE InvoiceNumber IN
                    (SELECT InvoiceNumber
                     FROM INVOICE_ITEM
                     WHERE Item LIKE 'Dress Shirt'
                    )
             )
      ORDER BY LastName ASC, FirstName DESC
;
```

```
/* *** CS2-Q *** */
```

```
SELECT LastName, FirstName, Phone
      FROM CUSTOMER, INVOICE, INVOICE_ITEM
      WHERE INVOICE_ITEM.Item LIKE 'Dress Shirt'
      ORDER BY LastName ASC, FirstName DESC
;
```



```
/* *** CS2-R *** */
```

```
SELECT LastName, FirstName, Phone
```

```
FROM CUSTOMER
```

```
JOIN INVOICE ON CUSTOMER.CustomerID=INVOICE.CustomerID
```

```
JOIN INVOICE_ITEM ON
```

```
INVOICE.InvoiceNumber=INVOICE_ITEM.InvoiceNumber
```

```
WHERE Item Like 'Dress Shirt'
```

```
ORDER BY LastName ASC, FirstName DESC
```

```
;
```

```
/* *** CS2-S *** */
```

```
SELECT C.LastName AS CustomerLastName, C.FirstName AS CustomerFirstName,
```

```
R.LastName AS ReferredByLastName, R.FirstName AS ReferredByFirstName
```

```
FROM CUSTOMER C
```

```
LEFT JOIN CUSTOMER R ON R.CustomerID=C.ReferredBy
```

```
;
```

```
/* *** CS2-T *** */
```

```
SELECT LastName, FirstName, Phone
```

```
FROM CUSTOMER
```

```
JOIN INVOICE ON CUSTOMER.CustomerID=INVOICE.CustomerID
```

```
WHERE INVOICE.InvoiceNumber IN (SELECT InvoiceNumber FROM  
INVOICE_ITEM WHERE Item LIKE 'Dress Shirt')
```

```
ORDER BY LastName ASC, FirstName DESC
```

```
;
```

```
/* *** CS2-U *** */  
SELECT C.LastName, C.FirstName, C.Phone,  
       "Total Amount" =  
       CASE  
           WHEN T.Item = 'Dress Shirt' THEN I.TotalAmount  
           ELSE NULL  
       END  
FROM CUSTOMER C, INVOICE I, INVOICE_ITEM T  
WHERE C.CustomerID = I.CustomerID  
      AND I.InvoiceNumber = T.InvoiceNumber  
      ORDER BY "Total Amount" ASC, LastName ASC, FirstName  
DESC  
;
```