

a) They basically want to get list of the names of customers who had given orders with respect to ascending order of lastname, then ascending order of first name, then descending order of orderdate.

b) Command:

```
SELECT CustFirstName, CustLastName, OrderDate
FROM Customers c Join Orders o
On o.CustomerID = c.CustomerID
ORDER BY CustLastName, CustFirstName, OrderDate DESC;
```

Showing rows 0 - 499 (944 total, Query took 0.0076 seconds.)

```
SELECT CustFirstName, CustLastName, OrderDate FROM Customers c Join Orders o On o.CustomerID = c.CustomerID ORDER BY CustLastName, CustFirstName, OrderDate DESC;
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

1 > >> | Number of rows: 500 | Filter rows: Search this table | Sort by key: None

+ Options

CustFirstName	CustLastName	OrderDate
Sam	Abolrous	2013-02-28
Sam	Abolrous	2013-02-25
Sam	Abolrous	2013-02-23
Sam	Abolrous	2013-02-13
Sam	Abolrous	2013-02-12
Sam	Abolrous	2013-02-11
Sam	Abolrous	2013-02-10
Sam	Abolrous	2013-02-05
Sam	Abolrous	2013-01-28
Sam	Abolrous	2013-01-28
Sam	Abolrous	2013-01-27
Sam	Abolrous	2013-01-22
Sam	Abolrous	2013-01-09
Sam	Abolrous	2013-01-07
Sam	Abolrous	2013-01-06
Sam	Abolrous	2012-12-27
Sam	Abolrous	2012-12-25
Sam	Abolrous	2012-12-10
Sam	Abolrous	2012-12-08

Console

c)

Command:

```
SELECT CustFirstName, CustLastName, OrderDate
FROM Customers c Left Outer Join Orders o
On o.CustomerID = c.CustomerID
ORDER BY CustLastName, CustFirstName, OrderDate DESC;
```

(See screenshot on next page)

Screenshot:

Showing rows 0 - 499 (945 total, Query took 0.0085 seconds.)

```
SELECT CustFirstName, CustLastName, OrderDate FROM Customers c Left Outer Join Orders o On o.CustomerID = c.CustomerID ORDER BY CustLastName, CustFirstName, OrderDate DESC;
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

1 > >> | Number of rows: 500 | Filter rows: Search this table | Sort by key: None

+ Options

CustFirstName	CustLastName	OrderDate
Sam	Abolrous	2013-02-28
Sam	Abolrous	2013-02-25
Sam	Abolrous	2013-02-23
Sam	Abolrous	2013-02-13
Sam	Abolrous	2013-02-12
Sam	Abolrous	2013-02-11
Sam	Abolrous	2013-02-10
Sam	Abolrous	2013-02-05
Sam	Abolrous	2013-01-28
Sam	Abolrous	2013-01-28
Sam	Abolrous	2013-01-27
Sam	Abolrous	2013-01-22
Sam	Abolrous	2013-01-09
Sam	Abolrous	2013-01-07
Sam	Abolrous	2013-01-06
Sam	Abolrous	2012-12-27
Sam	Abolrous	2012-12-25

(too many records, so I just scrolled down and took picture of the entry of Jeffrey tirekicker who was the only null one)

William	Thompson	2012-09-12
William	Thompson	2012-09-08
William	Thompson	2012-09-01
Jeffrey	Tirekicker	NULL
Caleb	Viescas	2013-02-24
Caleb	Viescas	2013-02-21
Caleb	Viescas	2013-02-20
Caleb	Viescas	2013-02-16
Caleb	Viescas	2013-02-07

d) Command:

use SalesOrdersExample2;

```
SELECT c.CustomerID, CustFirstName, CustLastName, OrderDate
```

```
FROM Customers c Left Outer JOIN Orders o
```

```
ON o.CustomerID=c.CustomerID
```

```
where o.OrderDate =
```

```
(
```

```

select MAX(o.OrderDate)

from orders o

)

```

ORDER BY CustLastName, CustFirstName, OrderDate desc ;

Had to made another sales order as I had altered the datas in the previous one.

(See screenshot on next page)

Screenshot:

The screenshot shows a SQL query editor with the following code:

```

5  ON o.CustomerID=c.CustomerID
6  where o.OrderDate =
7  (
8      select MAX(o.OrderDate)
9      from orders o
10 )
11 ORDER BY CustLastName, CustFirstName, OrderDate desc ;
12

```

Below the query editor is a 'Result Grid' showing 5 rows of data:

CustomerID	CustFirstName	CustLastName	OrderDate
1014	Sam	Abolrous	2013-02-28
1020	Joyce	Bonnicksen	2013-02-28
1026	Kirk	DeGrasse	2013-02-28
1019	Zachary	Ehrlich	2013-02-28
1011	Alaina	Hallmark	2013-02-28

Below the result grid is an 'Output' window showing a list of actions and their messages:

#	Time	Action	Message
28	09:24:47	USE SalesOrdersExample2	0 row(s) affected
29	09:24:47	Select EmpFirstName, EmpLastName, ProductName, Year(OrderDate)as Year, ...	575 row(s) returned
30	09:33:11	use SalesOrdersExample2	0 row(s) affected
31	09:33:11	SELECT c.CustomerID, CustFirstName, CustLastName, OrderDate FROM Cust...	9 row(s) returned