

Assignment – 46 Mandatory:

Display pymtmode, and total number of payments for those payments which were paid before the year 2015 and total number of payments should be more than 1.

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Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

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```
SELECT Pymtmode, COUNT(DISTINCT Pymtdate) Pymtcount FROM Orders WHERE SUBSTR(Pymtdate,8) < 15 GROUP BY Pymtmode HAVING COUNT(DISTINCT Pymtdate) > 1;
```

Query Result

PYMTMODE	PYMTCOUNT
Cash	2

1 row(s) selected

Expected Result

PYMTMODE	PYMTCOUNT
Cash	2

Congratulations !!! Your query is correct.

Assignment – 48 Mandatory:

Retrieve the itemtype, category of item, and average price rounded to two decimal places of FMCG, Computer type items. The average price must be less than 2000.

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Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

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SELECT Itemtype, Category, ROUND(AVG(Price),2) "Average item price" FROM Item WHERE Itemtype IN ('FMCG', 'Computer') GROUP BY Itemtype, Category HAVING ROUND(AVG(Price),2) < 2000;

#### Query Result

ITEMTYPE	CATEGORY	Average item price
Computer	C	700
Computer	B	1933.33
FMCG	C	43

3 row(s) selected

#### Expected Result

ITEMTYPE	CATEGORY	Average item price
Computer	C	700
Computer	B	1933.33
FMCG	C	43

Congratulations !!! Your query is correct.

#### Assignment – 63 Optional:

Retrieve the name of supplier who has quoted greater than 1000 and the quotation status is closed and average of quoted price is less than 4500. Also display average quoted price.

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#### Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Deliverddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

SELECT Sname, AVG(Quotedprice) "Average quoted price" FROM Quotation WHERE Qstatus = 'Closed'  
AND Quotedprice > 1000 GROUP BY Sname HAVING AVG(Quotedprice) < 4500;

#### Query Result

SNAME	Average quoted price
EBATs	1400

1 row(s) selected

#### Expected Result

SNAME	Average quoted price
EBATs	1400

Congratulations !!! Your query is correct.

#### Assignment – 72 Mandatory:

Display the custid and custname of those customers who are also employees. An employee and customer are considered same if their name and email id match.

#### Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

SELECT c.Custid "Customer Id", c.Custname "Customer Name" FROM Customer c INNER JOIN Empdetails e ON c.Emailid = e.Emailid;

Query Result	Expected Result												
<table> <tr> <th>Customer Id</th><th>Customer Name</th></tr> <tr> <td>2001</td><td>John</td></tr> <tr> <td>2010</td><td>Megan</td></tr> </table> <p>2 row(s) selected</p>	Customer Id	Customer Name	2001	John	2010	Megan	<table> <tr> <th>Customer Id</th><th>Customer Name</th></tr> <tr> <td>2001</td><td>John</td></tr> <tr> <td>2010</td><td>Megan</td></tr> </table>	Customer Id	Customer Name	2001	John	2010	Megan
Customer Id	Customer Name												
2001	John												
2010	Megan												
Customer Id	Customer Name												
2001	John												
2010	Megan												
<p>Congratulations !!! Your query is correct.</p>													

#### Assignment – 74 Mandatory:

The management of EasyShop would like to know the retail outlet ids and the details like description, type and retail unit price of items whose retail unit price is more than 1500.

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#### Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

```
SELECT rs.Roid, i.Descr, i.Itemtype, rs.Unitprice FROM Retailstock rs INNER JOIN Item i ON rs.Itemcode = i.Itemcode WHERE rs.Unitprice > 1500;
```

Query Result				Expected Result			
ROID	DESCR	ITEMTYPE	UNITPRICE	ROID	DESCR	ITEMTYPE	UNITPRICE
R1001	Satyapaul Sari	Apparels	7350	R1001	Satyapaul Sari	Apparels	7350
R1001	Intel C2D Processor	Computer	6199	R1001	Intel C2D Processor	Computer	6199
R1001	Intel Motherboard	Computer	5340	R1001	Intel Motherboard	Computer	5340
R1001	500GB Hard disk	Computer	2510	R1001	500GB Hard disk	Computer	2510
R1001	320GB Hard disk	Computer	2204	R1001	320GB Hard disk	Computer	2204
R1001	Arrow Jeans	Apparels	7700	R1001	Arrow Jeans	Apparels	7700
R1002	Levis T-Shirt	Apparels	1751	R1002	Levis T-Shirt	Apparels	1751
R1002	Satyapaul Sari	Apparels	7499	R1002	Satyapaul Sari	Apparels	7499
R1002	Xbox gamepad	Computer	2499	R1002	Xbox gamepad	Computer	2499
R1002	Intel C2D Processor	Computer	6801	R1002	Intel C2D Processor	Computer	6801
R1002	Intel Motherboard	Computer	5402	R1002	Intel Motherboard	Computer	5402
R1002	500GB Hard disk	Computer	2900.5	R1002	500GB Hard disk	Computer	2900.5
R1002	320GB Hard disk	Computer	2300.5	R1002	320GB Hard disk	Computer	2300.5
R1002	Arrow Jeans	Apparels	7400	R1002	Arrow Jeans	Apparels	7400
R1003	500GB Hard disk	Computer	3000.5	R1003	500GB Hard disk	Computer	3000.5
R1003	Arrow Jeans	Apparels	7800	R1003	Arrow Jeans	Apparels	7800
R1003	Xbox gamepad	Computer	2600	R1003	Xbox gamepad	Computer	2600
17 row(s) selected							
Congratulations !!! Your query is correct.							

Assignment – 76 Mandatory:

The management wants the item code and description of the items whose item price matches with the quotation price for more than one quotation.

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Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

```
SELECT i.Itemcode, i.Descr FROM Item i INNER JOIN Quotation q ON i.Price = q.Quotedprice GROUP BY i.Itemcode, i.Descr HAVING COUNT(*) > 1;
```

#### Query Result

ITEMCODE	DESCR
I1002	Best Rice

1 row(s) selected

#### Expected Result

ITEMCODE	DESCR
I1002	Best Rice

Congratulations !!! Your query is correct.

#### Assignment – 77 Mandatory:

EasyShop management wants to know sname and quotationid pertaining to the quotation of those orders, where there is a difference of less than or equal to 5 days between the delivered date and order date. Display unique rows.

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#### Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

```
SELECT DISTINCT q.Sname, q.Quotationid FROM Quotation q INNER JOIN Orders o ON q.Quotationid = o.Quotationid WHERE MONTHS_BETWEEN(Delivereddate, Orderdate)*30 <= 5;
```

#### Query Result

SNAME	QUOTATIONID
Shop Zilla	Q1008
EBATs	Q1003
EBATs	Q1002

3 row(s) selected

#### Expected Result

SNAME	QUOTATIONID
Shop Zilla	Q1008
EBATs	Q1003
EBATs	Q1002

Congratulations !!! Your query is correct.

Assignment – 85 Optional:

This assignment must be done in Eclipse environment.

Display custname and billamount for those customers who have shopped for more than 5000.

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Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

```
SELECT c.Custname, p.Billamount FROM Customer c INNER JOIN Purchasebill p ON c.Custid = p.Custid WHERE p.Billamount > 5000;
```

Query Result	Expected Result																								
<table> <tr> <th>CUSTNAME</th><th>BILLAMOUNT</th></tr> <tr> <td>Jason</td><td>7846.3</td></tr> <tr> <td>Susan</td><td>5092.96</td></tr> <tr> <td>Nancy</td><td>5441.46</td></tr> <tr> <td>Dexter</td><td>8983.5</td></tr> <tr> <td>Thomas</td><td>6930.22</td></tr> </table> <p>5 row(s) selected</p>	CUSTNAME	BILLAMOUNT	Jason	7846.3	Susan	5092.96	Nancy	5441.46	Dexter	8983.5	Thomas	6930.22	<table> <tr> <th>CUSTNAME</th><th>BILLAMOUNT</th></tr> <tr> <td>Jason</td><td>7846.3</td></tr> <tr> <td>Susan</td><td>5092.96</td></tr> <tr> <td>Nancy</td><td>5441.46</td></tr> <tr> <td>Dexter</td><td>8983.5</td></tr> <tr> <td>Thomas</td><td>6930.22</td></tr> </table>	CUSTNAME	BILLAMOUNT	Jason	7846.3	Susan	5092.96	Nancy	5441.46	Dexter	8983.5	Thomas	6930.22
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<p>Congratulations !!! Your query is correct.</p>																									

#### Assignment – 86 Optional:

Retrieve the retailoutlet and the number of items stocked for that outlet

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##### Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

SELECT Roid, COUNT(Itemcode) "Number of items" FROM Retailstock GROUP BY Roid;



Query Result	Expected Result																
<table> <tr> <th>ROID</th><th>Number of items</th></tr> <tr> <td>R1001</td><td>11</td></tr> <tr> <td>R1002</td><td>15</td></tr> <tr> <td>R1003</td><td>3</td></tr> </table> <p>3 row(s) selected</p>	ROID	Number of items	R1001	11	R1002	15	R1003	3	<table> <tr> <th>ROID</th><th>Number of items</th></tr> <tr> <td>R1001</td><td>11</td></tr> <tr> <td>R1002</td><td>15</td></tr> <tr> <td>R1003</td><td>3</td></tr> </table>	ROID	Number of items	R1001	11	R1002	15	R1003	3
ROID	Number of items																
R1001	11																
R1002	15																
R1003	3																
ROID	Number of items																
R1001	11																
R1002	15																
R1003	3																
<p>Congratulations !!! Your query is correct.</p>																	

#### Assignment – 78 Mandatory:

Display manager name, category and category wise total quantity of items available in all retail outlet.  
Display manager name as 'No Manager' if no manager is appointed for the retail outlet.

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#### Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Deliverreddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

```
SELECT NVL(e.Empname, 'No Manager') Empname, i.Category, SUM(rs.Qtyavailable) Totalquantity
FROM Empdetails e RIGHT JOIN Retailoutlet ro ON e.empid = ro.Managerid INNER JOIN Retailstock rs
ON ro.Roid = rs.Roid INNER JOIN Item i ON rs.Itemcode = i.Itemcode GROUP BY e.Empname, i.Category;
```

Query Result

EMPNAME	CATEGORY	TOTALQUANTITY
John	A	165
Kevin	A	330
John	C	270
Kevin	C	118
No Manager	B	80
John	B	430
No Manager	A	40
Kevin	B	200

8 row(s) selected

Expected Result

EMPNAME	CATEGORY	TOTALQUANTITY
John	A	165
Kevin	A	330
John	C	270
Kevin	C	118
No Manager	B	80
John	B	430
No Manager	A	40
Kevin	B	200

Congratulations !!! Your query is correct.

#### Assignment – 79 Mandatory:

Display retailoutlet location and customer type wise total quantity of items sold where customer's gender is Male and item type is Apparels or Computer.

#### Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

```
SELECT ro.Location, c.Custtype, SUM(p.Quantity) Totalquantity FROM Item i INNER JOIN Purchasebill p
ON i.Itemcode = p.Itemcode INNER JOIN Customer c ON p.Custid = c.Custid INNER JOIN Retailoutlet ro
ON p.Roid = ro.Roid WHERE c.Gender = 'M' AND i.Itemtype IN ('Apparels', 'Computer') GROUP BY
ro.Location, c.Custtype;
```

Query Result

LOCATION	CUSTTYPE	TOTALQUANTITY
California	Regular	6
New York	Regular	4

2 row(s) selected

Expected Result

LOCATION	CUSTTYPE	TOTALQUANTITY
California	Regular	6
New York	Regular	4

Congratulations !!! Your query is correct.

#### Assignment – 80 Mandatory:

Display itemcode, descr, billamount and custid for all items of type 'FMCG'. Display billamount and custid as zero if item is not sold.

---

#### Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

```
SELECT i.Itemcode, i.Descr, NVL(p.Billamount, 0) Billamount, NVL(c.Custid, 0) Custid FROM Item i LEFT
JOIN Purchasebill p ON i.Itemcode = p.Itemcode LEFT JOIN Customer c ON p.Custid = c.Custid WHERE
i.Itemtype = 'FMCG';
```

Query Result

ITEMCODE	DESCR	BILLAMOUNT	CUSTID
I1001	Britannia Marie Gold Cookies	86.62	2002
I1002	Best Rice	283.28	2005
I1002	Best Rice	342.38	2001
I1003	Modern Bread	64.2	2003
I1014	Aroma Bread0		0

5 row(s) selected

Expected Result

ITEMCODE	DESCR	BILLAMOUNT	CUSTID
I1002	Best Rice	342.38	2001
I1001	Britannia Marie Gold Cookies	86.62	2002
I1003	Modern Bread	64.2	2003
I1002	Best Rice	283.28	2005
I1014	Aroma Bread0		0

Congratulations !!! Your query is correct.

#### Assignment – 82 Mandatory:

Display the retailoutlet details like roid, location along with the employee details like empid and empname working in it. The details of retailoutlet should be displayed even if no employee is working in it.

#### Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

```
SELECT ro.Roid, ro.Location, e.Empid, e.Empname FROM Retailoutlet ro LEFT JOIN Empdetails e ON
ro.Roid = e.Worksin;
```

Query Result

ROID	LOCATION	EMPID	EMPNAME
R1001	California	1001	George
R1001	California	1002	Kevin
R1001	California	1003	Lisa
R1002	New York	1005	Peter
R1002	New York	1006	John
R1002	New York	1007	Sam
R1002	New York	1008	Megan
R1002	New York	1009	Henry
R1001	California	1010	Cris
R1001	California	1011	Donald
R1002	New York	1012	Edwin
R1001	California	1013	Clara
R1002	New York	1014	Michael
R1003	Dallas	NULL	NULL

14 row(s) selected

Expected Result

EMPID	EMPNAME	ROID	LOCATION
1001	George	R1001	California
1002	Kevin	R1001	California
1003	Lisa	R1001	California
1005	Peter	R1002	New York
1006	John	R1002	New York
1007	Sam	R1002	New York
1008	Megan	R1002	New York
1009	Henry	R1002	New York
1010	Cris	R1001	California
1011	Donald	R1001	California
1012	Edwin	R1002	New York
1013	Clara	R1001	California
1014	Michael	R1002	New York
NULL	NULL	R1003	Dallas

Congratulations !!! Your query is correct.

#### Assignment – 87 Optional:

For items of type Apparels, identify quantity available at each retail outlet location. Display itemcode, item description, quantity available and retail outlet location.

#### Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (ROID, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

SELECT i.Itemcode, i.Descr, ro.Location, rs.Qtyavailable FROM Item i INNER JOIN Retailstock rs ON i.Itemcode = rs.Itemcode INNER JOIN Retailoutlet ro ON rs.Roid = ro.Roid WHERE i.Itemtype = 'Apparels';

Query Result

ITEMCODE	DESCR	LOCATION	QTYAVAILAB
I1004	Lee T-Shirt	California	100
I1007	Allen Solly Tie	California	50
I1006	Satyapaul Sari	California	20
I1015	Arrow Jeans	California	60
I1004	Lee T-Shirt	New York	110
I1005	Levis T-Shirt	New York	60
I1006	Satyapaul Sari	New York	50
I1007	Allen Solly Tie	New York	20
I1015	Arrow Jeans	New York	65
I1015	Arrow Jeans	Dallas	40

10 row(s) selected

Expected Result

ITEMCODE	DESCR	LOCATION	QTYAVAILAB
I1004	Lee T-Shirt	California	100
I1007	Allen Solly Tie	California	50
I1006	Satyapaul Sari	California	20
I1015	Arrow Jeans	California	60
I1004	Lee T-Shirt	New York	110
I1005	Levis T-Shirt	New York	60
I1006	Satyapaul Sari	New York	50
I1007	Allen Solly Tie	New York	20
I1015	Arrow Jeans	New York	65
I1015	Arrow Jeans	Dallas	40

Congratulations !!! Your query is correct.

Assignment – 88 Optional:

Identify the quotations submitted for all items. Display itemcode, item description and quotationid for the same. If the item does not have any quotation, display 'No quotation received' for quotationid.

---

Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

```
SELECT i.Itemcode, i.Descr, NVL(TO_CHAR(q.Quotationid), 'No quotation received') Quotationid FROM
Item i LEFT JOIN Quotation q ON i.Itemcode = q.Itemcode;
```

Query Result

ITEMCODE	DESCR	QUOTATIONID
I1008	Xbox gamepad	Q1001
I1008	Xbox gamepad	Q1002
I1010	Intel C2D Processor	Q1003
I1010	Intel C2D Processor	Q1004
I1009	Microsoft Mouse	Q1005
I1009	Microsoft Mouse	Q1006
I1012	500GB Hard disk	Q1007
I1012	500GB Hard disk	Q1008
I1005	Levis T-Shirt	Q1009
I1005	Levis T-Shirt	Q1010
I1002	Best Rice	Q1011
I1002	Best Rice	Q1012

Expected Result

ITEMCODE	DESCR	QUOTATIONID
I1008	Xbox gamepad	Q1001
I1008	Xbox gamepad	Q1002
I1010	Intel C2D Processor	Q1003
I1010	Intel C2D Processor	Q1004
I1009	Microsoft Mouse	Q1005
I1009	Microsoft Mouse	Q1006
I1012	500GB Hard disk	Q1007
I1012	500GB Hard disk	Q1008
I1005	Levis T-Shirt	Q1009
I1005	Levis T-Shirt	Q1010
I1002	Best Rice	Q1011
I1002	Best Rice	Q1012

I1012	500GB Hard disk	Q1013
I1013	320GB Hard disk	No quotation received
I1011	Intel Motherboard	No quotation received
I1001	Britannia Marie Gold Cookies	No quotation received
I1006	Satyapaul Sari	No quotation received
I1015	Arrow Jeans	No quotation received
I1004	Lee T-Shirt	No quotation received
I1003	Modern Bread	No quotation received
I1007	Allen Solly Tie	No quotation received
I1014	Aroma Bread	No quotation received

22 row(s) selected

I1012	500GB Hard disk	Q1013
I1013	320GB Hard disk	No quotation received
I1011	Intel Motherboard	No quotation received
I1001	Britannia Marie Gold Cookies	No quotation received
I1006	Satyapaul Sari	No quotation received
I1015	Arrow Jeans	No quotation received
I1004	Lee T-Shirt	No quotation received
I1003	Modern Bread	No quotation received
I1007	Allen Solly Tie	No quotation received
I1014	Aroma Bread	No quotation received

Congratulations !!! Your query is correct.

### Assignment – 89 Optional:

The management of EasyShop would like to know the qtyavailable for items at retail outlets. Display itemcode, description, qtyavailable and roid for those items.

#### Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Deliverddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)



```
SELECT i.Itemcode, i.Descr, rs.qtyavailable, rs.Roid FROM Item i INNER JOIN Retailstock rs ON i.Itemcode = rs.Itemcode;
```

Query Result

ITEMCODE	DESCR	QTYAVAILABLE	ROID
I1001	Britannia Marie Gold Cookies	28	R1001
I1002	Best Rice	20	R1001
I1003	Modern Bread	20	R1001
I1004	Lee T-Shirt	100	R1001
I1007	Allen Solly Tie	50	R1001
I1006	Satyapaul Sari	20	R1001
I1010	Intel C2D Processor	100	R1001
I1011	Intel Motherboard	150	R1001
I1012	500GB Hard disk	50	R1001
I1013	320GB Hard disk	50	R1001

Expected Result

ITEMCODE	DESCR	ROID	QTYAVAILAB
I1001	Britannia Marie Gold Cookies	R1001	28
I1002	Best Rice	R1001	20
I1003	Modern Bread	R1001	20
I1004	Lee T-Shirt	R1001	100
I1007	Allen Solly Tie	R1001	50
I1006	Satyapaul Sari	R1001	20
I1010	Intel C2D Processor	R1001	100
I1011	Intel Motherboard	R1001	150
I1012	500GB Hard disk	R1001	50
I1013	320GB Hard disk	R1001	50

I1015	Arrow Jeans	60	R1001
I1001	Britannia Marie Gold Cookies	25	R1002
I1002	Best Rice	50	R1002
I1003	Modern Bread	20	R1002
I1004	Lee T-Shirt	110	R1002
I1005	Levis T-Shirt	60	R1002
I1006	Satyapaul Sari	50	R1002
I1007	Allen Solly Tie	20	R1002
I1008	Xbox gamepad	70	R1002
I1009	Microsoft Mouse	80	R1002
I1010	Intel C2D Processor	20	R1002
I1011	Intel Motherboard	30	R1002

I1012	500GB Hard disk	130	R1002
I1013	320GB Hard disk	60	R1002
I1014	Aroma Bread	75	R1002
I1015	Arrow Jeans	65	R1002
I1012	500GB Hard disk	50	R1003
I1015	Arrow Jeans	40	R1003
I1008	Xbox gamepad	30	R1003

29 row(s) selected

I1015	Arrow Jeans	R1001	60
I1001	Britannia Marie Gold Cookies	R1002	25
I1002	Best Rice	R1002	50
I1003	Modern Bread	R1002	20
I1004	Lee T-Shirt	R1002	110
I1005	Levis T-Shirt	R1002	60
I1006	Satyapaul Sari	R1002	50
I1007	Allen Solly Tie	R1002	20
I1008	Xbox gamepad	R1002	70
I1009	Microsoft Mouse	R1002	80
I1010	Intel C2D Processor	R1002	20
I1011	Intel Motherboard	R1002	30

I1012	500GB Hard disk	R1002	130
I1013	320GB Hard disk	R1002	60
I1014	Aroma Bread	R1002	75
I1015	Arrow Jeans	R1002	65
I1012	500GB Hard disk	R1003	50
I1015	Arrow Jeans	R1003	40
I1008	Xbox gamepad	R1003	30

Congratulations !!! Your query is correct.

Assignment – 90 Optional:

The management of EasyShop would like to know the description, type of items and amount billed to customers for retail outlet 'R1001'.

## Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Deliverddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

```
SELECT DISTINCT i.Descr, i.Itemtype, p.Billamount FROM Item i INNER JOIN Purchasebill p ON i.Itemcode = p.Itemcode INNER JOIN Retailstock rs ON p.Roid = rs.Roid WHERE rs.Roid = 'R1001';
```

### Query Result

DESCR	ITEMTYPE	BILLAMOUNT
Britannia Marie Gold Cookies	FMCG	86.62
Best Rice	FMCG	342.38
320GB Hard disk	Computer	8983.5
Intel Motherboard Computer		5441.46
Lee T-Shirt	Apparels	359.71
Arrow Jeans	Apparels	7846.3

6 row(s) selected

### Expected Result

DESCR	ITEMTYPE	BILLAMOUNT
Britannia Marie Gold Cookies	FMCG	86.62
Best Rice	FMCG	342.38
Lee T-Shirt	Apparels	359.71
Intel Motherboard Computer		5441.46
320GB Hard disk	Computer	8983.5
Arrow Jeans	Apparels	7846.3

Congratulations !!! Your query is correct.

## Assignment – 91 Optional:

The management of EasyShop would like to know the description, type of items and amount billed to customers for retail outlet 'R1001'.

---

## Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

SELECT c.Custid, c.Custname, c.Custtype FROM Customer c INNER JOIN Customer cp ON c.Custtype = cp.Custtype WHERE c.Custid <> 2004 AND cp.Custid = 2004;

#### Query Result

CUSTID	CUSTNAME	CUSTTYPE
2003	Sam	Privileged
2005	Nancy	Privileged

2 row(s) selected

#### Expected Result

CUSTID	CUSTNAME	CUSTTYPE
2003	Sam	Privileged
2005	Nancy	Privileged

Congratulations !!! Your query is correct.

#### Assignment – 92 Optional:

Identify the quotations submitted by the supplier for each item of type 'Computer' or 'FMCG'. Display itemtype, description and quotationid for the same. If the quotation has not been received for an item, display 'No quotation received' for quotationid.

---

#### Database structure

Item (Itemcode, Itemtype, Descr, Price, Reorderlevel, Qtyonhand, Category)

Quotation (Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus)

Orders (Orderid, Quotationid, Qtyordered, Orderdate, Status, Pymtdate, Delivereddate, Amountpaid, Pymtmode)

Retailoutlet (Roid, Location, Managerid)

Empdetails (Empid, Empname, Designation, Emailid, Contactno, Worksin, Salary)

Retailstock (Roid, Itemcode, Unitprice, Qtyavailable)

Customer (Custid, Custtype, Custname, Gender, Spouse, Emailid, Address)

Purchasebill (Billid, Roid, Itemcode, Custid, Billamount, Billdate, Quantity)

---

SELECT i.Itemtype, i.Descr, NVL(TO\_CHAR(q.Quotationid), 'No quotation received') "Available Quotation number" FROM Item i LEFT JOIN Quotation q ON i.Itemcode = q.Itemcode WHERE i.Itemtype IN ('Computer', 'FMCG');

#### Query Result

ITEMTYPE	DESCR	Available Quotation number
Computer	Xbox gamepad	Q1001
Computer	Xbox gamepad	Q1002
Computer	Intel C2D Processor	Q1003
Computer	Intel C2D Processor	Q1004
Computer	Microsoft Mouse	Q1005
Computer	Microsoft Mouse	Q1006
Computer	500GB Hard disk	Q1007
Computer	500GB Hard disk	Q1008
FMCG	Best Rice	Q1011
FMCG	Best Rice	Q1012

Computer	500GB Hard disk	Q1013
Computer	320GB Hard disk	No quotation received
Computer	Intel Motherboard	No quotation received
FMCG	Britannia Marie Gold Cookies	No quotation received
FMCG	Modern Bread	No quotation received
FMCG	Aroma Bread	No quotation received

16 row(s) selected

#### Expected Result

ITEMTYPE	DESCR	Available Quotation number
Computer	Xbox gamepad	Q1001
Computer	Xbox gamepad	Q1002
Computer	Intel C2D Processor	Q1003
Computer	Intel C2D Processor	Q1004
Computer	Microsoft Mouse	Q1005
Computer	Microsoft Mouse	Q1006
Computer	500GB Hard disk	Q1007
Computer	500GB Hard disk	Q1008
FMCG	Best Rice	Q1011
FMCG	Best Rice	Q1012

Computer	500GB Hard disk	Q1013
Computer	320GB Hard disk	No quotation received
Computer	Intel Motherboard	No quotation received
FMCG	Britannia Marie Gold Cookies	No quotation received
FMCG	Modern Bread	No quotation received
FMCG	Aroma Bread	No quotation received

Congratulations !!! Your query is correct.