Assignment – 1:

Create the **Article** table as per specification below.

Column Name	Data Type	Constraints	DESCRIPTION
ArCode	CHAR(5)	PRIMARY KEY; Must begin with character 'A'	Unique code of the article e.g. A1001, A1004
ArName	VARCHAR2(30)	NOT NULL	Article Name
Rate	NUMBER(8,2)		Rate of the article. For ex. 5000.0
Quantity	NUMBER(4)	Greater than or equal to 0; Default Value is 0	Quantity availability of the article. For ex. 20
Class	CHAR(1)	Can be A, B or C	Class of the article

```
CREATE TABLE Article (
   ArCode   CHAR(5)     PRIMARY KEY,
   CHECK(ArCode LIKE 'A%'),
   ArName   VARCHAR2(30) NOT NULL,
   Rate     NUMBER(8,2),
   Quantity NUMBER(4)    DEFAULT 0,
   CHECK(Quantity >= 0),
   Class    CHAR(1)      CHECK(Class IN ('A', 'B', 'C'))
)
```

Query Result

NAME	Null?	TYPE
ARCODE	NOT NULL	CHAR(5)
ARNAME	NOT NULL	VARCHAR2(30)
RATE		NUMBER(8,2)
QUANTITY		NUMBER(4)
CLASS		CHAR(1)

Table created.

Congratulations !!! Your query is correct.

Assignment – 2:

Insert the following data into **Article** table.

ArCode	ArName	Rate	Quantity	Class
A1001	Mouse	500	0	C

INSERT INTO Article (ArCode, ArName, Rate, Quantity, Class) VALUES ('A1001', 'Mouse', 500, 0, 'C');

Query Result

ARCODE	ARNAME	RATE	QUANTITY	CLASS
A1001	Mouse	500	0	C

1 row(s) created.

Congratulations !!! Your query is correct.

Assignment – 3:

The following assignments are to be completed in the Eclipse Environment. Display descr and price of different sizes of all 'Hard disk'.

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 Descr, Price FROM Item WHERE Descr LIKE '%Hard disk%';

Query Result

DESCR	PRICE
500GB Hard disk	2500
320GB Hard disk	1800

2 row(s) selected

Expected Result

DESCR	PRICE
500GB Hard disk	2500
320GB Hard disk	1800

Congratulations !!! Your query is correct.

Assignment – 4:

Display quotationid, sname, itemcode, quotedprice, qdate, qstatus of those quotations which are not accepted.

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 Quotationid, Sname, Itemcode, Quotedprice, Qdate, Qstatus FROM Quotation WHERE Qstatus <> 'Accepted';

Query Result

QUOTATIONID	SNAME	ITEMCODE	QUOTEDPRICE	Q
Q1001	Giant Store	I1008	1500	1
Q1002	EBATs	I1008	1400	1
Q1004	Shop Zilla	I1010	6250	2
Q1005	Giant Store	I1009	850	2
Q1006	VV Electronics	I1009	800	2
Q1007	Shop Zilla	I1012	2200	1
Q1010	Giant Store	I1005	1490	1
Q1011	EBATs	I1002	120	1
Q1012	VV Electronics	I1002	120	1

9 row(s) selected

Expected Result

QUOTATIONID	SNAME	ITEMCODE	QUOTEDPRICE	QI
Q1001	Giant Store	I1008	1500	15
Q1002	EBATs	I1008	1400	16
Q1004	Shop Zilla	I1010	6250	20
Q1005	Giant Store	I1009	850	25
Q1006	VV Electronics	I1009	800	25
Q1007	Shop Zilla	I1012	2200	15
Q1010	Giant Store	I1005	1490	15
Q1011	EBATs	I1002	120	16
Q1012	VV Electronics	I1002	120	16

Congratulations !!! Your query is correct.

Assignment – 5:

Retrieve the designation and salary of all 'Manager' and 'Billing Staff'

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 Designation, Salary FROM Empdetails WHERE Designation IN ('Manager', 'Billing Staff');

Query Result

DESIGNATION	SALARY
Manager	6500
Billing Staff	3000
Manager	6500
Billing Staff	3000
Manager	5000
Billing Staff	5000
Billing Staff	2800
Billing Staff	2900
Billing Staff	2500

9 row(s) selected

Expected Result

DESIGNATION	SALARY
Manager	6500
Billing Staff	3000
Manager	6500
Billing Staff	3000
Manager	5000
Billing Staff	5000
Billing Staff	2800
Billing Staff	2900
Billing Staff	2500

Congratulations !!! Your query is correct.

Assignment – 6:

Retrieve the roid and location which does not have a Manager.

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, Location FROM Retailoutlet WHERE Managerid IS NULL;

Query Result

ROID	LOCATION
R1003	Dallas

1 row(s) selected

Expected Result

ROID	LOCATION
R1003	Dallas

Congratulations !!! Your query is correct.

Assignment – 7:

Retrieve the orderid, quotationid and status of those orders where order is placed between the dates '1-Dec-2014' and '1-Jan-2015'

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 Orderid, Quotationid, Status FROM Orders WHERE Orderdate BETWEEN '1-Dec-2014' AND '1-Jan-2015';

Query Result

ORDERID	QUOTATIONID	STATUS
O1002	Q1006	Ordered
O1003	Q1003	Delivered
O1004	Q1006	Delivered

3 row(s) selected

Expected Result

ORDERID	QUOTATIONID	STATUS
O1002	Q1006	Ordered
O1003	Q1003	Delivered
O1004	Q1006	Delivered

Congratulations !!! Your query is correct.

Assignment – 8:

Retrieve the order id, order status and payment mode of all the orders. Display 'Payment yet not done' against payment mode column if the payment has not been done.

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 Orderid, Status, NVL(Pymtmode, 'Payment yet not done') Pymtmode FROM Orders;

Query Result

ORDERID	STATUS	PYMTMODE
O1001	Delivered	Cash
O1002	Ordered	Payment yet not done
O1003	Delivered	Cash
O1004	Delivered	Cheque
O1005	Delivered	Cheque
O1006	Delivered	Cash
O1007	Ordered	Payment yet not done
O1008	Ordered	Payment yet not done

8 row(s) selected

Expected Result

ORDERID	STATUS	PYMTMODE
O1001	Delivered	Cash
O1002	Ordered	Payment yet not done
O1003	Delivered	Cash
O1004	Delivered	Cheque
O1005	Delivered	Cheque
O1006	Delivered	Cash
O1007	Ordered	Payment yet not done
O1008	Ordered	Payment yet not done

Congratulations !!! Your query is correct.

Assignment – 9:

Retrieve the total number of orders made and the number of orders for which payment has been done.

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 COUNT(Orderdate) Totalorderscount, COUNT(Pymtdate) Paidorderscount FROM Orders;
```

Query Result

TOTALORDERSCOUNT	PAIDORDERSCOUNT
8	5

1 row(s) selected

Expected Result

TOTALORDERSCOUNT	PAIDORDERSCOUNT
8	5

Congratulations !!! Your query is correct.

Assignment – 10:

Retrieve the maximum salary, minimum salary, total salary and average salary of employees.

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 MAX(Salary) Maxsal, MIN(Salary) Minsal, SUM(Salary) Totalsal, AVG(Salary) Avgsal FROM Empdetails;

Query Result

MAXSAL	MINSAL	TOTALSAL	AVGSAL
9000	2000	62200	4442.8571428

1 row(s) selected

Expected Result

MAXSAL	MINSAL	TOTALSAL	AVGSAL
9000	2000	62200	4442.8571428

Congratulations !!! Your query is correct.

Assignment – 11:

Retrieve the itemcode and average of quantity available in retail outlets where the average of quantity available is less than 75.

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, AVG(rs.Qtyavailable) "Average Quantity" FROM Item i INNER JOIN Retailstock rs ON i.Itemcode = rs.Itemcode GROUP BY i.Itemcode HAVING AVG(rs.Qtyavailable) < 75;

Query Result

ITEMCODE	Average Quantity
I1013	55
I1005	60
I1001	26.5
I1010	60
I1006	35
I1015	55
I1008	50
I1002	35
I1003	20
I1007	35

10 row(s) selected

Expected Result

ITEMCODE	Average Quantity
I1013	55
I1005	60
I1001	26.5
I1010	60
I1006	35
I1015	55
I1008	50
I1002	35
I1003	20
I1007	35

Congratulations !!! Your query is correct.

Assignment – 12:

Retrieve the Supplier Name for those quotations whose average quoted price for all quotations quoted by him is more than 500 and the quotation status is closed. Also display average quoted price.

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 q.Sname, AVG(q.Quotedprice) "Average quoted price" FROM Quotation q WHERE q.Quotedprice > 500 AND q.Qstatus = 'Closed' GROUP BY q.Sname;

Query Result

SNAME	Average quoted price
EBATs	1400
VV Electronics	800

2 row(s) selected

Expected Result

SNAME	Average quoted price
EBATs	1400
VV Electronics	800

Congratulations !!! Your query is correct.

Assignment – 13:

Identify the average salary of the jobs 'MANAGER' and 'ANALYST'. Display job, average salary if the identified average salary is more than 1500.

Database Structure:

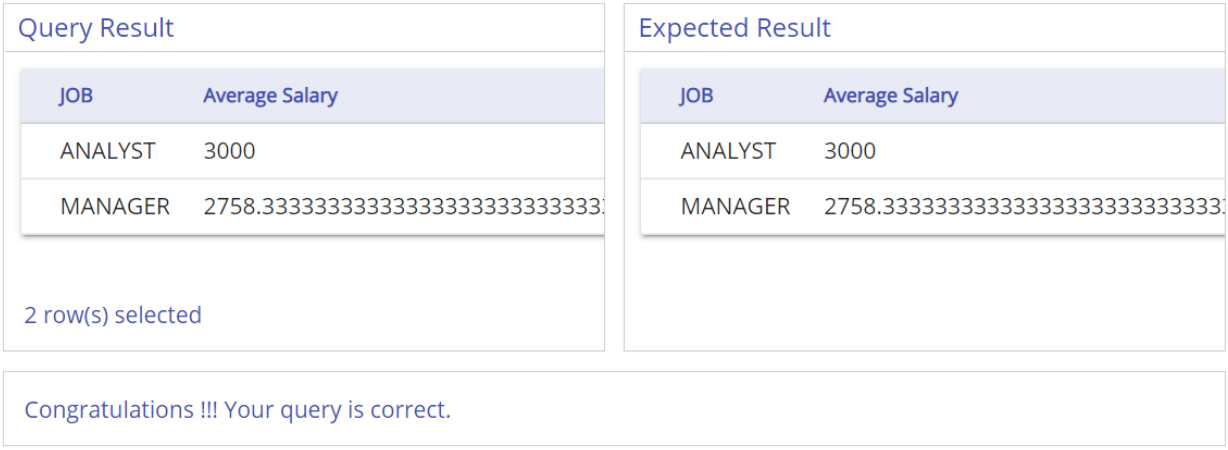
Dept (Deptno, Dname, Loc)

Emp (Empno, Ename, Job, Mgr, Hiredate, Sal, Comm, Deptno)

Vehicle (Vehicleid, Vehiclename)

Empvehicle (Empno, Vehicleid)

SELECT Job, AVG(Sal) "Average Salary" FROM Emp WHERE Job in ('MANAGER', 'ANALYST') GROUP BY Job HAVING AVG(Sal) > 1500;



Assignment – 14:

Display the job, deptno and average salary of employees belonging to department 10 or 20 and their salary is more than 2000 and average salary is more than 2500.

Database Structure:

Dept (Deptno, Dname, Loc)

Emp (Empno, Ename, Job, Mgr, Hiredate, Sal, Comm, Deptno)

Vehicle (Vehicleid, Vehiclename)

Empvehicle (Empno, Vehicleid)

SELECT Job, Deptno, AVG(Sal) Avgsalary FROM Emp WHERE Deptno IN (10, 20) AND Sal > 2000 GROUP BY Job, Deptno HAVING AVG(Sal) > 2500;

Query Result

JOB	DEPTNO	AVGSALARY
MANAGER	20	2975
PRESIDENT	10	5000
ANALYST	20	3000

3 row(s) selected

Expected Result

JOB	DEPTNO	AVGSALARY
MANAGER	20	2975
ANALYST	20	3000
PRESIDENT	10	5000

Congratulations !!! Your query is correct.

Assignment – 15:

Refer to the tables emp,dept and empvehicle for the following assignments :

For each employee, identify the vehicle owned by them. Display ename and vehiclename for the same. Display name of employees even if they don't own any vehicle.

Database Structure:

Dept (Deptno, Dname, Loc)

Emp (Empno, Ename, Job, Mgr, Hiredate, Sal, Comm, Deptno)

Vehicle (Vehicleid, Vehiclename)

Empvehicle (Empno, Vehicleid)

SELECT e.Ename, v.Vehiclename FROM Emp e LEFT JOIN Empvehicle ev ON e.Empno = ev.Empno LEFT JOIN Vehicle v ON ev.Vehicleid = v.Vehicleid;

Query Result

ENAME	VEHICLENAME
JIM	Toyota
BLAKE	Maruti
JACK	Maruti
FORD	Nissan
SCOTT	Hyundai
CLARK	NULL
ADAMS	NULL
WARD	NULL
ALLEN	NULL
JAMES	NULL
SMITH	NULL
MILLER	NULL
MARTIN	NULL
TURNER	NULL

14 row(s) selected

Expected Result

ENAME	VEHICLENAME
JIM	Toyota
BLAKE	Maruti
JACK	Maruti
FORD	Nissan
SCOTT	Hyundai
CLARK	NULL
ADAMS	NULL
WARD	NULL
ALLEN	NULL
JAMES	NULL
SMITH	NULL
MILLER	NULL
MARTIN	NULL
TURNER	NULL

Congratulations !!! Your query is correct.

Assignment – 16:

For each item, identify the stock availability in the retail outlet R1001. Display itemcode, desc and qtyavailable for the same. If there is no stock available for an item, display 'N.A.' for its quantity on available.

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(rs.Qtyavailable), 'N.A.') Qtyavailable FROM Item i LEFT JOIN Retailstock rs ON i.Itemcode = rs.Itemcode AND rs.Roid = 'R1001';

Query Result

ITEMCODE	DESCR	QTYAVAILABLE
I1001	Britannia Marie Gold Cookies	28
I1002	Best Rice	20
I1003	Modern Bread	20
I1004	Lee T-Shirt	100
I1006	Satyapaul Sari	20
I1007	Allen Solly Tie	50
I1010	Intel C2D Processor	100
I1011	Intel Motherboard	150
I1012	500GB Hard disk	50
I1013	320GB Hard disk	50
I1015	Arrow Jeans	60
I1005	Levis T-Shirt	N.A.
I1008	Xbox gamepad	N.A.
I1009	Microsoft Mouse	N.A.
I1014	Aroma Bread	N.A.

15 row(s) selected

Expected Result

ITEMCODE	DESCR	QTYAVAILABLE
I1001	Britannia Marie Gold Cookies	28
I1002	Best Rice	20
I1003	Modern Bread	20
I1004	Lee T-Shirt	100
I1006	Satyapaul Sari	20
I1007	Allen Solly Tie	50
I1010	Intel C2D Processor	100
I1011	Intel Motherboard	150
I1012	500GB Hard disk	50
I1013	320GB Hard disk	50
I1015	Arrow Jeans	60
I1005	Levis T-Shirt	N.A.
I1008	Xbox gamepad	N.A.
I1009	Microsoft Mouse	N.A.
I1014	Aroma Bread	N.A.

Congratulations !!! Your query is correct.

Assignment – 17:

The Manager of EasyShop would like to know details of those items for which quotations have been accepted. Display itemcode, item description, category and quotedprice for the same.

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, i.Category, q.Quotedprice FROM Item i INNER JOIN Quotation q ON i.Itemcode = q.Itemcode WHERE q.Qstatus = 'Accepted';

Query Result

ITEMCODE	DESCR	CATEGORY	QUOTEDPRICE
I1005	Levis T-Shirt	B	1480
I1010	Intel C2D Processor	A	6200
I1012	500GB Hard disk	B	2150
I1012	500GB Hard disk	B	2150

4 row(s) selected

Expected Result

ITEMCODE	DESCR	CATEGORY	QUOTEDPRICE
I1005	Levis T-Shirt	B	1480
I1010	Intel C2D Processor	A	6200
I1012	500GB Hard disk	B	2150
I1012	500GB Hard disk	B	2150

Congratulations !!! Your query is correct.

Assignment – 18:

Display itemcode, supplier name and total quantity for the ordered items, whose total quantity ordered is greater than or equal to 100.

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, q.Sname, SUM(o.Qtyordered) Totalquantity FROM Item i INNER JOIN Quotation q ON i.Itemcode = q.Itemcode INNER JOIN Orders o ON q.Quotationid = o.Quotationid GROUP BY i.Itemcode, q.Sname HAVING SUM(o.Qtyordered) >= 100;

Query Result

ITEMCODE	SNAME	TOTALQUANTITY
I1009	VV Electronics	250
I1008	EBATs	150

2 row(s) selected

Expected Result

ITEMCODE	SNAME	TOTALQUANTITY
I1009	VV Electronics	250
I1008	EBATs	150

Congratulations !!! Your query is correct.

Assignment – 19:

Retrieve employee name, designation, and email id of those employees who work in the same retail outlet where George works. Do not display the record of George in the result.

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 e.Empname, e.Designation, e.Emailid FROM Empdetails e INNER JOIN Empdetails ep ON e.Worksin = ep.Worksin AND ep.Empname = 'George' AND e.Empname <> 'George';

Query Result

EMPNAME	DESIGNATION	EMAILID
Kevin	Manager	kevin@easy.com
Lisa	Billing Staff	lisa@easy.com
Cris	Billing Staff	cris@easy.com
Donald	Billing Staff	donald@easy.com
Clara	Security	clara@easy.com

5 row(s) selected

Expected Result

EMPNAME	DESIGNATION	EMAILID
Kevin	Manager	kevin@easy.com
Lisa	Billing Staff	lisa@easy.com
Cris	Billing Staff	cris@easy.com
Donald	Billing Staff	donald@easy.com
Clara	Security	clara@easy.com

Congratulations !!! Your query is correct.

Assignment – 20:

Display the customer id and customer name of those customers who are co-located. Do not display the duplicate records/rows.

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 FROM Customer c INNER JOIN Customer cp ON c.Address = cp.Address AND c.Custname <> cp.Custname;

Query Result

CUSTID	CUSTNAME
2004	Susan
2010	Megan
2001	John
2009	Christina
2008	Thomas
2002	Jason

6 row(s) selected

Expected Result

CUSTID	CUSTNAME
2002	Jason
2004	Susan
2008	Thomas
2009	Christina
2001	John
2010	Megan

Congratulations !!! Your query is correct.

Assignment – 21:

Display itemcode , item description and supplier name for all items for which quotations have been received from suppliers.

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, q.Sname FROM Item i INNER JOIN Quotation q ON i.Itemcode = q.Itemcode;
```

Query Result

ITEMCODE	DESCR	SNAME
I1002	Best Rice	EBATs
I1002	Best Rice	VV Electronics
I1005	Levis T-Shirt	Shop Zilla
I1005	Levis T-Shirt	Giant Store
I1008	Xbox gamepad	Giant Store
I1008	Xbox gamepad	EBATs
I1009	Microsoft Mouse	Giant Store
I1009	Microsoft Mouse	VV Electronics
I1010	Intel C2D Processor	EBATs
I1010	Intel C2D Processor	Shop Zilla
I1012	500GB Hard disk	Shop Zilla
I1012	500GB Hard disk	Shop Zilla
I1012	500GB Hard disk	Giant Store

13 row(s) selected

Expected Result

ITEMCODE	DESCR	SNAME
I1002	Best Rice	EBATs
I1002	Best Rice	VV Electronics
I1005	Levis T-Shirt	Shop Zilla
I1005	Levis T-Shirt	Giant Store
I1008	Xbox gamepad	Giant Store
I1008	Xbox gamepad	EBATs
I1009	Microsoft Mouse	Giant Store
I1009	Microsoft Mouse	VV Electronics
I1010	Intel C2D Processor	EBATs
I1010	Intel C2D Processor	Shop Zilla
I1012	500GB Hard disk	Shop Zilla
I1012	500GB Hard disk	Shop Zilla
I1012	500GB Hard disk	Giant Store

Congratulations !!! Your query is correct.