**Assignment – 20**  
  
Changing Values through Views.

**1)** Which of these views are updateable (will allow DML operations)?  
**Answer –**

**1**

**CREATE VIEW Dailyorders AS**

**SELECT DISTINCT cnum,**

**snum,**

**onum,**

**odate**

**FROM Orders;**

**ans: yes**  
  
**2**

**CREATE VIEW Custotals AS**

**SELECT cname,**

**SUM (amt) Sum\_Amt**

**FROM Orders,**

**Customers**

**WHERE Orders.cnum=Customers.cnum**

**GROUP BY cname;**

**Ans: Views are note updatable which consists of join.**  
**3**

**CREATE VIEW Thirdorders AS**

**SELECT \***

**FROM Dailyorders**

**WHERE odate=’03-OCT-1990’;**

**Ans: not updatable due to distinct keyword in dailyorders;**  
**4**

**CREATE VIEW Nullcities AS**

**SELECT snum,**

**sname,**

**city**

**FROM Salespeople**

**WHERE city IS NULL**

**OR sname BETWEEN ‘A’ AND ‘M’;**

**ans: yes**  
  
  
**2)** Create a view of the Salespeople table called Commissions. This view will  
include only the snum and comm fields. Through this view, someone could enter  
or change commissions, but only to values between .10 and .20.  
**Answer -**

**CREATE VIEW commission AS**

**SELECT snum,**

**comm**

**FROM salespeople**

**WHERE comm BETWEEN .10 AND .20;**

**SELECT \***

**FROM commission;**

SNUM    COMM  
  
 1001    .12  
 1002    .13  
 1004    .11  
 1007    .15  
 1003    .1

**INSERT INTO commission**

**VALUES(3000,.4);**

**--1 row created.**

**SELECT \***

**FROM commission;**

SNUM    COMM  
  
1001    .12  
1002    .13  
1004    .11  
1007    .15  
1003    .1

**SELECT \***

**FROM salespeople;**

SNUM    SNAME    CITY    COMM  
  
3000    .4  
1001    peel    london    .12  
1002    serres    san jose    .13  
1004    Motika    london    .11  
1007    rifkin    barcelona    .15  
1003    axelrod    newyork    .1  
  
  
**3)** Some SQL implementations have a built-in constant representing the current date,  
sometimes called “CURDATE” or “SYSDATE”. The word CURDATE can  
therefore be used in a SQL statement, and be replaced by the current date when  
the value is accessed by commands such as Select or Insert. We will use a view of  
the Orders table called Entryorders to insert rows into the Orders table. Create the  
Orders table, so that CURDATE is automatically inserted for odate if no value is  
given. Then create the Entryorders view so that no values can be given.  
**Answer -**  
Note:  
Suppose if you have a view named view1 on table t  
And if you apply another view on this view named view2  
And now if you make update on view 2 then it will be made on the table t;  
  
But remember if you have used distinct keyword in base view then the identifier in view2  
will be virtual view and they will not allow to update.