

Assignment – 20

Changing Values through Views.

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

#1 Create View Dailyorders

as Select Distinct cnum, snum, onum, odate from Orders;

Sol : YES

#2 Create View Custotals

as Select cname, Sum (amt) Sum_Amt from Orders, Customers

where Orders.cnum=Customers.cnum

Group by cname;

Sol : Views are not updateable which consists of join.

#3 Create view Thirddorders

as Select * from Dailyorders where

odate='1990-10-03';

Sol : not updateable 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 'MZ';

Sol : 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.

CREATE VIEW commission **AS**

SELECT snum,

comm

FROM salespeople

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

```
D3_92969_Dhananjay>SELECT *
-> FROM commission;
+-----+-----+
| snum | comm |
+-----+-----+
| 1004 | 0.11 |
| 1007 | 0.15 |
| 1003 | 0.10 |
| 1001 | 0.12 |
| 1002 | 0.16 |
+-----+-----+
5 rows in set (0.03 sec)
```

3) Some SQL implementations have a built-in constant representing the current date, sometimes called “CURDATE” or “SYSDATE”. The word SYSDATE 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 SYSDATE is automatically inserted for odate if no value is given. Then create the Entryorders view so that no values can be given.

SOL : 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.