

Assignment – 20
Changing Values through Views.

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

#1

Create View Daillyorders

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

Ans.: Yes

This view is updateable because it consist only one table data.

#2

Create View Custotals

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

where Orders.cnum=Customers.cnum

Group by cname;

Ans : This view is not updateable because we are creating the view using joining 2 tables.

#3

Create view Thirdorders

as Select * from Daillyorders where

odate='1990-10-03';

Ans: Not updateable because we used distinct in daillyorders

#4

Create view Nullcities

as Select snum, sname, city

from Salespeople

where city is NULL

OR sname BETWEEN 'A' and 'MZ';

Ans: Yes, This view is Updatable.

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 commissions as

select snum,comm from salespeople where comm between .10 and .20;

select * from commissions;

snum	comm
1001	0.14
1002	0.16
1004	0.11
1007	0.15
1003	0.10

5 rows in set (0.00 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.

```
CREATE TABLE IF NOT EXISTS orders_new(  
  Onum INT(4),  
  Amt FLOAT(7,2),  
  Odate DATETIME DEFAULT CURRENT_TIMESTAMP,  
  Cnum INT(4),  
  Snum INT(4)  
);
```

create view Entryorders as

select * from orders_new;

```
[mysql> desc orders_new;
```

Field	Type	Null	Key	Default	Extra
Onum	int	YES		NULL	
Amt	float(7,2)	YES		NULL	
Odate	datetime	YES		CURRENT_TIMESTAMP	DEFAULT_GENERATED
Cnum	int	YES		NULL	
Snum	int	YES		NULL	

```
5 rows in set (0.01 sec)
```