

Assignment 20

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

#1 Create View Dailyorders as Select Distinct cnum, snum, onum, odate from Orders;

→ not updateable due to distinct keyword

#2 Create View Custotals as Select cname, Sum (amt) Sum_Amt from Orders, Customers where Orders.cnum=Customers.cnum Group by cname;

→ not updateable because of aggregate function, group by clause

#3 Create view Thirddorders as Select * from Dailyorders where odate='1990-10-03';

→ not updateable due to distinct keyword

#4 Create view Nullcities as Select snum, sname, city from Salespeople where city is NULL OR sname BETWEEN 'A' and 'MZ';

→ 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.

Ans: create view view_commission as select snum, comm from salespeople where comm between 0.11 and 0.19 with check option;

```
select * from view_commission;
```

```
D6_93079_Pravin>create view view_commission as
-> select snum, comm from salespeople
-> where comm between 0.11 and 0.19
-> with check option;
```

```
Query OK, 0 rows affected (0.00 sec)
```

```
D6_93079_Pravin>select * from view_commission;
```

snum	comm
1001	0.12
1002	0.13
1007	0.15

```
3 rows in set (0.01 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.

Ans: create table orders3(onum int, snum int, cnum int, odate date default (CURRENT_DATE));

create view view_entryorders as select onum, snum, cnum from orders3 with check option;

```
D6_93079_Pravin>create table orders3(
-> onum int, snum int, cnum int
-> , odate date default (CURRENT_DATE));
```

Query OK, 0 rows affected (0.03 sec)

```
D6_93079_Pravin>create view view_entryorders as
-> select onum, snum, cnum from orders3
-> with check option;
```

Query OK, 0 rows affected (0.02 sec)

```
D6_93079_Pravin>desc view_entryorders;
```

Field	Type	Null	Key	Default	Extra
onum	int	YES		NULL	
snum	int	YES		NULL	
cnum	int	YES		NULL	

3 rows in set (0.03 sec)

```
D6_93079_Pravin>desc orders3;
```

Field	Type	Null	Key	Default	Extra
onum	int	YES		NULL	
snum	int	YES		NULL	
cnum	int	YES		NULL	
odate	date	YES		curdate()	DEFAULT_GENERATED

4 rows in set (0.00 sec)