# Assignment – 20

## Changing Values through Views.

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

1) **Create View Dailyorders as Select Distinct cnum, snum, onum, odate from Orders;**
   **Ans- Not updatable**

2) **Create View Custotals as Select cname, Sum (amt) Sum_Amt from Orders, Customers where Orders.cnum=Customers.cnum Group by cname;**
   **Ans –Not updatable**

3) **Create view Thirdorders as Select * from Dailyorders where odate='1990-10-03';**
   **Ans- Updatable**

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

**Ans-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.**

```
W3_93236_Neha>create view Commissions As select Snum,Comm from SALESPEOPLE where
    -> (Comm between .10 and .20) with check option;
Query OK, 0 rows affected (0.04 sec)

W3_93236_Neha>select * from Commissions;
+------+------+
| Snum | Comm |
+------+------+
| 1001 | 0.14 |
| 1002 | 0.16 |
| 1004 | 0.11 |
| 1007 | 0.15 |
| 1003 | 0.10 |
+------+------+
5 rows in set (0.02 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.*

```
W3_93236_Neha>create table Orders3(Onum int,Amt float (10,5), Oname varchar(15), Odate date default (Date(sysdate())));
Query OK, 0 rows affected, 1 warning (0.03 sec)

W3_93236_Neha>insert into entryorders values (11,'Pizza','2011.2','2025-09-25');
ERROR 1146 (42S02): Table 'classwork.entryorders' doesn't exist
```

```
W3_93236_Neha>insert into Orders3 values (11,'2011.2','pizza','1999-07-23');
Query OK, 1 row affected (0.00 sec)

W3_93236_Neha>select *from Order3;
ERROR 1146 (42S02): Table 'classwork.order3' doesn't exist
W3_93236_Neha>select * from Orders3;
+------+------------+-------+------------+
| Onum | Amt        | Oname | Odate      |
+------+------------+-------+------------+
|   11 | 2011.19995 | pizza | 1999-07-23 |
+------+------------+-------+------------+
1 row in set (0.00 sec)

W3_93236_Neha>desc Orders3;
+-------+-------------+------+-----+-----------------------+-------------------+
| Field | Type        | Null | Key | Default               | Extra             |
+-------+-------------+------+-----+-----------------------+-------------------+
| Onum  | int         | YES  |     | NULL                  |                   |
| Amt   | float(10,5) | YES  |     | NULL                  |                   |
| Oname | varchar(15) | YES  |     | NULL                  |                   |
| Odate | date        | YES  |     | cast(sysdate() as date) | DEFAULT_GENERATED |
+-------+-------------+------+-----+-----------------------+-------------------+
4 rows in set (0.01 sec)
```