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

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

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

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

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

```
W1_Minal_93084>create view dailyorders as
    -> select distinct cnum,snum,onum,odate from orders;
Query OK, 0 rows affected (0.01 sec)

W1_Minal_93084>select * from dailyorders;
+-------+-------+-------+------------+
| cnum  | snum  | onum  | odate      |
+-------+-------+-------+------------+
| 2008  | 1007  | 3001  | 1990-10-03 |
| 2007  | 1004  | 3002  | 1990-10-03 |
| 2001  | 1001  | 3003  | 1990-10-03 |
| 2003  | 1002  | 3005  | 1990-10-03 |
| 2008  | 1007  | 3006  | 1990-10-03 |
| 2004  | 1002  | 3007  | 1990-10-04 |
| 2006  | 1001  | 3008  | 1990-10-05 |
| 2002  | 1003  | 3009  | 1990-10-04 |
| 2004  | 1002  | 3010  | 1990-10-06 |
| 2006  | 1001  | 3011  | 1990-10-06 |
+-------+-------+-------+------------+
10 rows in set (0.00 sec)

W1_Minal_93084>create view custotals as
    -> select cname,sum(amt)sum_amt from orders,customers
    -> where orders.cnum=customers.cnum group by cname;
Query OK, 0 rows affected (0.01 sec)

W1_Minal_93084>create view thirdorders as
    -> select * from dailyorders
    -> where odate = '1990-10-03';
Query OK, 0 rows affected (0.02 sec)

W1_Minal_93084>create view nullcities as
    -> select snum,sname,city from salespeople
    -> where city is null OR sname BETWEEN 'A' and 'MZ';
Query OK, 0 rows affected (0.02 sec)

W1_Minal_93084>select * from Nullcities;
+-------+---------+----------+
| snum  | sname   | city     |
+-------+---------+----------+
| 1003  | Axelrod | New York |
| 1004  | Motika  | London   |
+-------+---------+----------+
2 rows in set (0.01 sec)
```

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.

```
W1_Minal_93084>create view commission
    -> as
    -> select snum,comm from salespeople
    -> where comm between .10 and .20;
Query OK, 0 rows affected (0.01 sec)

W1_Minal_93084>select * from customers;
+------+----------+----------+--------+------+
| Cnum | Cname    | City     | Rating | Snum |
+------+----------+----------+--------+------+
| 2001 | Hoffman  | London   |    100 | 1001 |
| 2002 | Giovanni | Rome     |    200 | 1003 |
| 2003 | Liu      | San Jose |    200 | 1002 |
| 2004 | Grass    | Berlim   |    300 | 1002 |
| 2006 | Clemens  | London   |    100 | 1001 |
| 2007 | Pereira  | Rome     |    100 | 1004 |
| 2008 | Cisneros | San Jose |    300 | 1007 |
+------+----------+----------+--------+------+
7 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.

```
W1_Minal_93084>create view Entryorders as
    -> select onum,cnum,amt from orders;
Query OK, 0 rows affected (0.01 sec)

W1_Minal_93084>insert into Entryorders
    -> values(1002,1004,234.22);
Query OK, 1 row affected (0.01 sec)

W1_Minal_93084>select * from Entryorders;
+-------+-------+---------+
| onum  | cnum  | amt     |
+-------+-------+---------+
| 1002  | 1004  |  234.22 |
| 3001  | 2008  |   18.69 |
| 3002  | 2007  |  1900.1 |
| 3003  | 2001  |  767.19 |
| 3005  | 2003  | 5160.45 |
| 3006  | 2008  | 1098.16 |
| 3007  | 2004  |   75.75 |
| 3008  | 2006  |    4723 |
| 3009  | 2002  | 1713.23 |
| 3010  | 2004  | 1309.95 |
| 3011  | 2006  | 9891.88 |
+-------+-------+---------+
11 rows in set (0.00 sec)

W1_Minal_93084>select * from orders;
+-------+---------+------------+-------+-------+-------+
| Onum  | Amt     | Odate      | Cnum  | Snum  | prev  |
+-------+---------+------------+-------+-------+-------+
| 1002  |  234.22 | NULL       | 1004  | NULL  | NULL  |
| 3001  |   18.69 | 1990-10-03 | 2008  | 1007  | NULL  |
| 3002  |  1900.1 | 1990-10-03 | 2007  | 1004  | NULL  |
| 3003  |  767.19 | 1990-10-03 | 2001  | 1001  | NULL  |
| 3005  | 5160.45 | 1990-10-03 | 2003  | 1002  | NULL  |
| 3006  | 1098.16 | 1990-10-03 | 2008  | 1007  | NULL  |
| 3007  |   75.75 | 1990-10-04 | 2004  | 1002  | NULL  |
| 3008  |    4723 | 1990-10-05 | 2006  | 1001  | NULL  |
| 3009  | 1713.23 | 1990-10-04 | 2002  | 1003  | NULL  |
| 3010  | 1309.95 | 1990-10-06 | 2004  | 1002  | NULL  |
| 3011  | 9891.88 | 1990-10-06 | 2006  | 1001  | NULL  |
+-------+---------+------------+-------+-------+-------+
11 rows in set (0.00 sec)
```