## **NEHA KHOMANE (93236)**

## Assignment – 16

1) Write a command that will enable a user to pull orders grouped by date out of the Orders table quickly.

```
W3_93236_Neha>SELECT Odate, COUNT(*) AS TotalOrders
   -> FROM ORDERS
   -> GROUP BY Odate
   -> ORDER BY Odate;
            | TotalOrders |
 1990-03-10 |
                       5
 1990-04-10
                      1
                      1
 1990-05-10
 1990-06-10
                       1
 1990-10-04
                       1
 rows in set (0.00 sec)
```

2) If the Orders table has already been created, how can you force the onum field to be unique (assume all current values are unique)?

```
N3_93236_Neha>Alter table ORDERS
   -> add unique(Onum);
Query OK, 0 rows affected (0.11 sec)
Records: 0 Duplicates: 0 Warnings: 0
W3_93236_Neha>select * from ORDERS;
                             | Cnum | Snum |
 Onum | Amt | Odate
                                 2008 | 1007
2001 | 1001
2007 | 1004
          18.69 | 1990-03-10 |
  3003
         767.19
                   1990-03-10
  3002
        1900.10
                   1990-03-10
        5160.45
  3005
                   1990-03-10
                                  2003
                                         1002
        1098.16
                   1990-03-10
                                  2008
                                         1007
        1713.13
                   1990-04-10
                                  2002
  1007
          75.75
                   1990-10-04
                                         1002
        4723.00
                   1990-05-10
  3010 | 1309.95 | 1990-06-10 | 2004 |
 rows in set (0.00 sec)
W3_93236_Neha>desc ORDERS;
 Field | Type
                      | Null | Key | Default | Extra
                        YES
                               UNT
                                      NULL
 Onum
          float(7,2)
                                      NULL
 Amt
 Odate
          date
                                      NULL
                                      NULL
 Cnum
  Snum
```

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3) Create an index that would permit each salesperson to retrieve his or her orders grouped by date quickly.

4) Let us assume that each salesperson is to have only one customer of a given rating, and that this is currently the case. Enter a command that enforces it.