Assignment – 16

Creating Tables and Indexes.

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

```
D2_92814_Krushna>CREATE INDEX idx_orders_date
    -> ON Orders(odate);
Query OK, 0 rows affected (0.13 sec)
Records: 0  Duplicates: 0  Warnings: 0

D2_92814_Krushna>SELECT odate, COUNT(*)
    -> FROM Orders
    -> GROUP BY odate;
+------------+----------+
| odate      | COUNT(*) |
+------------+----------+
| 1990-10-03 |        5 |
| 1990-10-04 |        3 |
| 1990-10-06 |        1 |
+------------+----------+
3 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)?

Query ->

ALTER TABLE Orders

ADD CONSTRAINT uq_orders_onum UNIQUE (onum);

(My table already have duplicate value that's why I am not able to run this query)

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

```
D2_92814_Krushna>CREATE INDEX idx_orders_snum_date
    -> ON Orders(snum, odate);
Query OK, 0 rows affected (0.09 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

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.

```
D2_92814_Krushna>ALTER TABLE Customers
    -> ADD CONSTRAINT uq_snum_rating UNIQUE (snum, rating);
Query OK, 0 rows affected (0.08 sec)
Records: 0  Duplicates: 0  Warnings: 0
```