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.

```
mysql> CREATE INDEX idx_Odate ON Orders(Odate);
Query OK, 0 rows affected (0.14 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

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)?

```
mysql> ALTER TABLE Orders ADD CONSTRAINT UNIQUE (onum);
Query OK, 0 rows affected (0.05 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

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

```
mysql> CREATE INDEX idx_salesperson_date ON Orders(Snum, Odate);
Query OK, 0 rows affected (0.06 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.

```
mysql> ALTER TABLE customers
    -> ADD CONSTRAINT UNIQUE (Snum, Rating);
Query OK, 0 rows affected (0.08 sec)
Records: 0  Duplicates: 0  Warnings: 0
```