

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_orders_odate ON orders(odate);
Query OK, 0 rows affected (0.12 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 UNIQUE (onum);
Query OK, 0 rows affected (0.04 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_orders_snum_odate ON orders(snum,odate);
Query OK, 0 rows affected (0.04 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_customer_rating_per_snum UNIQUE (snum,rating);
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
```