

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.

```
W2_89692_Aditya>CREATE INDEX d_order 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)?

```
W2_89692_Aditya>ALTER TABLE Orders  
-> ADD CONSTRAINT unique_onum 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.

```
W2_89692_Aditya>CREATE INDEX idx_snum_odate  
-> ON Orders (Snum, Odate);  
Query OK, 0 rows affected (0.03 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.

```
W2_89692_Aditya>ALTER TABLE Customers  
-> ADD CONSTRAINT unique_snum_rating UNIQUE (Snum, Rating);  
Query OK, 0 rows affected (0.04 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```