

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.

ANSWER÷

```
mysql> CREATE INDEX idx_orders_date ON orders (Odate);  
Query OK, 0 rows affected (0.04 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)?

ANSWER÷

```
mysql> ALTER TABLE orders  
-> ADD CONSTRAINT 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.

ANSWER÷

```
mysql> CREATE INDEX idx_salesperson_orders_date 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.

ANSWER÷

```
mysql> ALTER TABLE customers  
-> ADD CONSTRAINT UNIQUE (Snum, Rating);  
Query OK, 0 rows affected (0.03 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```