

**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.



```
SELECT ODATE, COUNT(*) AS TOTAL_ORDER  
FROM ORDERS  
GROUP BY ODATE
```

- 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)?



```
ALTER TABLE Orders  
ADD CONSTRAINT UNIQUE (onum);
```

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



```
SELECT odate, COUNT(*)  
FROM Orders  
WHERE snum = 101  
GROUP BY odate;
```

- 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.



```
SELECT snum, rating, COUNT(*) AS dup_count  
FROM Customers  
GROUP BY snum, rating  
HAVING COUNT(*) > 1;
```