**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 -**

**SQL>**

**CREATE INDEX d\_order ON orders(odate);**

--Index created.

**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 -**

**DESCRIBE orders;**

Name    Null?    Type  
  
ONUM    NUMBER(4)  
AMT    NUMBER(7,2)  
ODATE    DATE  
CNUM    NUMBER(4)  
SNUM    NUMBER(4)

**ALTER TABLE orders MODIFY onum CONSTRAINT o\_pk PRIMARY KEY;**

--Table altered.

**DESCRIBE orders;**

Name    Null?    Type  
  
ONUM    NOT NULL    NUMBER(4)  
AMT    NUMBER(7,2)  
ODATE    DATE  
CNUM    NUMBER(4)  
SNUM    NUMBER(4)  
  
  
**3)** Create an index that would permit each salesperson to retrieve his or her orders  
grouped by date quickly.'  
**Answer -**

**CREATE INDEX I\_DATE ON orders(odate);**

**4)** Let us suppose 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 -**

**ALTER TABLE customers MODIFY rating PRIMARY KEY;**