

Assignment – 17
Constraining the Values of your data.

- 1) Create the Orders table so that all onum values as well as all combinations of cnum and snum are different from one another, and so that NULL values are excluded from the date field.

```
create table orders208(Onum number(4) constraint onum_u228 unique,  
                        Amt number(7,2),  
                        Odate date constraint odate_NL228 NOT NULL,  
                        Cnum number(4),  
                        Snum number(4),constraint cnum_snum_u228  
unique(cnum,snum))
```

- 2) Create the Salespeople table so that the default commission is 10% with no NULLS permitted, snum is the primary key, and all names fall alphabetically between A and M, inclusive (assume all names will be uppercase).

```
create table salespeople102_208(Snum number(4) PRIMARY KEY,  
Sname varchar2(10) constraint sname11_chk CHECK(sname between 'A%' and  
'M%'),  
City varchar2(10),  
Comm number(3,2) DEFAULT .10 constraint comm_nl NOT NULL)
```

- 3) Create the Orders table, making sure that the onum is greater than the cnum, and the cnum is greater than the snum. Allow no NULLS in any of these three fields.

ANS:-

```
create table orders12_208(  
Onum number(4) constraint oNN227 NOT NULL,  
Amt number(7,2),  
Odate date,  
Cnum number(4) constraint cNN227 NOT NULL,  
Snum number(4) constraint sNN227 NOT NULL,  
constraint cnum_ck227 check(cnum < onum),  
constraint cnum1_ck227 check(cnum > snum)  
)
```