Assignment 17

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.

Ans: create table orders1(
   onum int unique,
   amt float(7,2),
   odate date not null,
   cnum int,
   snum int,
   constraint pk_orders1_cnum_snum primary key(cnum, snum));

```
D6_93079_Pravin>create table orders1(
    -> onum int unique,
    -> amt float(7,2),
    -> odate date not null,
    -> cnum int,
    -> snum int,
    -> constraint pk_orders1_cnum_snum primary key(cnum, snum));
Query OK, 0 rows affected, 1 warning (0.03 sec)

D6_93079_Pravin>desc orders1;
+--------+------------+------+-----+---------+-------+
| Field  | Type       | Null | Key | Default | Extra |
+--------+------------+------+-----+---------+-------+
| onum   | int        | YES  | UNI | NULL    |       |
| amt    | float(7,2) | YES  |     | NULL    |       |
| odate  | date       | NO   |     | NULL    |       |
| cnum   | int        | NO   | PRI | NULL    |       |
| snum   | int        | NO   | PRI | NULL    |       |
+--------+------------+------+-----+---------+-------+
5 rows in set (0.01 sec)
```

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).

Ans: create table salespeople1(
   snum int primary key,
   comm float default 0.10 NOT NULL,
   sname varchar(20),
   constraint chk_salepeople1_sname check (sname>='A' and sname<'N'));

```
D6_93079_Pravin>create table salespeople1(
    -> snum int primary key,
    -> comm float default 0.10 NOT NULL,
    -> sname varchar(20),
    -> constraint chk_salepeople1_sname check (sname>='A' and sname<'N'));
Query OK, 0 rows affected (0.03 sec)

D6_93079_Pravin>desc salespeople1;
+-------+-------------+------+-----+---------+-------+
| Field | Type        | Null | Key | Default | Extra |
+-------+-------------+------+-----+---------+-------+
| snum  | int         | NO   | PRI | NULL    |       |
| comm  | float       | NO   |     | 0.1     |       |
| sname | varchar(20) | YES  |     | NULL    |       |
+-------+-------------+------+-----+---------+-------+
3 rows in set (0.01 sec)
```

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

Ans: create table orders2(
    onum int NOT NULL,
    cnum int NOT NULL,
    snum int NOT NULL,
    constraint chk_orders2_onum_cnum_snum check (onum>cnum and cnum>snum));

```
D6_93079_Pravin>create table orders2(
    -> onum int NOT NULL,
    -> cnum int NOT NULL,
    -> snum int NOT NULL,
    -> constraint chk_orders2_onum_cnum_snum check (onum>cnum and cnum>snum));
Query OK, 0 rows affected (0.02 sec)

D6_93079_Pravin>desc orders2;
+-------+------+------+-----+---------+-------+
| Field | Type | Null | Key | Default | Extra |
+-------+------+------+-----+---------+-------+
| onum  | int  | NO   |     | NULL    |       |
| cnum  | int  | NO   |     | NULL    |       |
| snum  | int  | NO   |     | NULL    |       |
+-------+------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```