

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.

```
mysql> CREATE TABLE OrdersTable(  
-> Onum INT(4) PRIMARY KEY,  
-> Amt FLOAT(7,2),  
-> Odate DATE NOT NULL,  
-> Cnum INT(4),  
-> Snum INT(4),  
-> CONSTRAINT unique_cnum_per_snum UNIQUE (cnum,snum));  
Query OK, 0 rows affected, 4 warnings (0.04 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).

```
mysql> CREATE TABLE SalespeopleTable(  
-> Snum INT(4) PRIMARY KEY,  
-> Sname VARCHAR(50) CHECK (Sname>='A' AND Sname<='M'),  
-> City VARCHAR(20),  
-> Comm FLOAT(4,2) NOT NULL DEFAULT 0.10);  
Query OK, 0 rows affected, 2 warnings (0.02 sec)
```

- 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.

```
mysql> CREATE TABLE OrdersTable(  
-> Onum INT NOT NULL,  
-> Cnum INT NOT NULL,  
-> Snum INT NOT NULL,  
-> Amt FLOAT (10,2),  
-> Odate DATE NOT NULL,  
-> CONSTRAINT greater_check_bt看_onum_snum_cnum CHECK (onum>cnum AND cnum>snum));
```