

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.

```
W2_92894_Ekta>CREATE TABLE orders2 (  
->    onum    INT PRIMARY KEY,  
->    amt     DECIMAL(10,2),  
->    odate   DATE NOT NULL,  
->    cnum    INT,  
->    snum    INT,  
->    CONSTRAINT uq_cust_sales2 UNIQUE (cnum, snum),  
->    FOREIGN KEY (cnum) REFERENCES customers(cnum),  
->    FOREIGN KEY (snum) REFERENCES salespeople(snum)  
-> );  
Query OK, 0 rows affected (0.32 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).

```
W2_92894_Ekta>CREATE TABLE salespeople (  
->    snum    INT PRIMARY KEY,  
->    sname   VARCHAR(50) NOT NULL,  
->    city    VARCHAR(50),  
->    comm    DECIMAL(4,2) NOT NULL DEFAULT 0.10,  
->    CONSTRAINT chk_name_range CHECK (sname >= 'A' AND sname <= 'M')  
-> );
```

- 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.

```
W2_92894_Ekta>CREATE TABLE orders2 (  
->    onum    INT NOT NULL,  
->    cnum    INT NOT NULL,  
->    snum    INT NOT NULL,  
->    amt     DECIMAL(10,2),  
->    odate   DATE,  
->    CONSTRAINT pk_orders2 PRIMARY KEY (onum),  
->    CONSTRAINT chk_order_relation CHECK (onum > cnum AND cnum > snum)  
-> );
```