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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.

```
KD1-89245-Bhagi>create table orders2
-> (onum int primary key, cnum int, snum int, date_ date not null,
-> unique(cnum, snum));
Query OK, 0 rows affected (0.04 sec)
```

```
KD1-89245-Bhagi>desc orders2;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| onum  | int  | NO   | PRI | NULL    |       |
| cnum  | int  | YES  | MUL | NULL    |       |
| snum  | int  | YES  |     | NULL    |       |
| date_ | date | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.03 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).

```
KD1-89245-Bhagi>create table salespeople2
-> (snum int primary key, name varchar(15), commission float default 0.10 not null,
-> check(name > 'A' and name < 'N'));
Query OK, 0 rows affected (0.04 sec)
```

```
KD1-89245-Bhagi>desc salespeople2;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| snum  | int  | NO   | PRI | NULL    |       |
| name  | varchar(15) | YES |     | NULL    |       |
| commission | float | NO   |     | 0.1     |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 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.

```
KD1-89245-Bhagi>create table ordersnew(
-> onum int not null,
-> cnum int not null,
-> snum int not null,
-> check(onum>cnum),
-> check(cnum>snum));
Query OK, 0 rows affected (0.03 sec)
```

```
KD1-89245-Bhagi>desc ordersnew;
+-----+-----+-----+-----+-----+-----+
| 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)
```