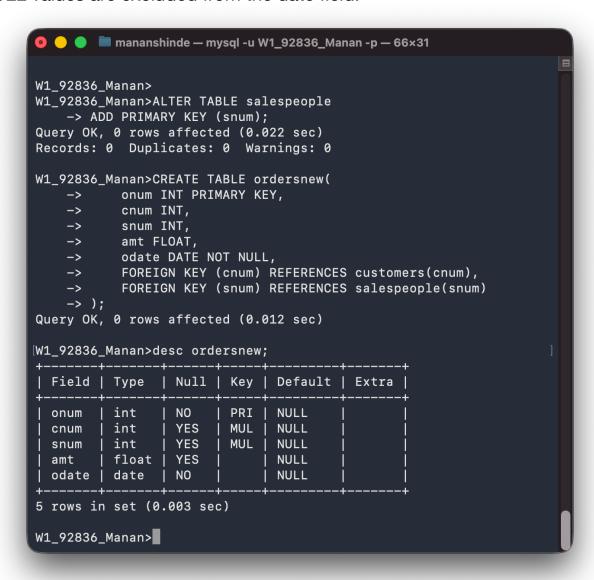# Assignment 17

Q1) 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.

```
W1_92836_Manan>
W1_92836_Manan>ALTER TABLE salespeople
    -> ADD PRIMARY KEY (snum);
Query OK, 0 rows affected (0.022 sec)
Records: 0  Duplicates: 0  Warnings: 0

W1_92836_Manan>CREATE TABLE ordersnew(
    ->      onum INT PRIMARY KEY,
    ->      cnum INT,
    ->      snum INT,
    ->      amt FLOAT,
    ->      odate DATE NOT NULL,
    ->      FOREIGN KEY (cnum) REFERENCES customers(cnum),
    ->      FOREIGN KEY (snum) REFERENCES salespeople(snum)
    -> );
Query OK, 0 rows affected (0.012 sec)

[W1_92836_Manan>desc ordersnew;                                   ]
+--------+-------+------+-----+---------+-------+
| Field  | Type  | Null | Key | Default | Extra |
+--------+-------+------+-----+---------+-------+
| onum   | int   | NO   | PRI | NULL    |       |
| cnum   | int   | YES  | MUL | NULL    |       |
| snum   | int   | YES  | MUL | NULL    |       |
| amt    | float | YES  |     | NULL    |       |
| odate  | date  | NO   |     | NULL    |       |
+--------+-------+------+-----+---------+-------+
5 rows in set (0.003 sec)

W1_92836_Manan>
```

Q2) Create the salespeople table so that the default commission is 10% with no NULLS permitted , sum is the primary key, and all the names fall alphabetically between A and M, inclusive (assume all names will be uppercase).

```
● ● ●        mananshinde — mysql -u W1_92836_Manan -p — 66×18
[W1_92836_Manan>create table salespeoplenew1(
[    -> snum int primary key,
[    -> sname varchar(25) not null,
[    -> comm float not null default 0.10,
[    -> check (sname between 'A%' and 'M%'));
Query OK, 0 rows affected (0.008 sec)

[W1_92836_Manan>desc salespeoplenew1;
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| snum   | int         | NO   | PRI | NULL    |       |
| sname  | varchar(25) | NO   |     | NULL    |       |
| comm   | float       | NO   |     | 0.1     |       |
+--------+-------------+------+-----+---------+-------+
3 rows in set (0.002 sec)

W1_92836_Manan>
```

Q3) 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.

```
● ● ●        mananshinde — mysql -u W1_92836_Manan -p — 61×25
W1_92836_Manan>create table ordersnew2(
    -> onum int not null primary key,
    -> cnum int not null,
    -> snum int not null,
    -> amt float,
    -> odate date not null,
    -> foreign key (cnum) references customers(cnum),
    -> foreign key (snum) references salespeople(snum),
    -> check (onum>cnum and cnum>snum)
    -> );
Query OK, 0 rows affected (0.013 sec)

W1_92836_Manan>desc ordersnew2;
+--------+--------+------+-----+---------+-------+
| Field  | Type   | Null | Key | Default | Extra |
+--------+--------+------+-----+---------+-------+
| onum   | int    | NO   | PRI | NULL    |       |
| cnum   | int    | NO   | MUL | NULL    |       |
| snum   | int    | NO   | MUL | NULL    |       |
| amt    | float  | YES  |     | NULL    |       |
| odate  | date   | NO   |     | NULL    |       |
+--------+--------+------+-----+---------+-------+
5 rows in set (0.002 sec)

W1_92836_Manan>
```