

PROBLEM 2

MariaDB [npudb1]> CREATE TABLE STATION3

```
-> (ID INTEGER PRIMARY KEY,  
-> CITY CHAR(20),  
-> STATE CHAR(2),  
-> COUNTRY CHAR(20),  
-> ZIP INTEGER,  
-> LAT_N REAL,  
-> LONG_W REAL);
```

Query OK, 0 rows affected (0.230 sec)

MariaDB [npudb1]> insert into STATION3 values(13,'Phoenix','AZ','USA',
85001,33, 112);

MariaDB [npudb1]> SELECT * FROM STATION3;

ID	CITY	STATE	COUNTRY	ZIP	LAT_N	LONG_W
13	Phoenix	AZ	USA	85001	33	112

1 row in set (0.000 sec)

MariaDB [npudb1]> insert into STATION3 values(14,'Yuma','AZ','USA',
85364,34, 132);

Query OK, 1 row affected (0.058 sec)

MariaDB [npudb1]> SELECT * FROM STATION3;

ID	CITY	STATE	COUNTRY	ZIP	LAT_N	LONG_W
13	Phoenix	AZ	USA	85001	33	112
14	Yuma	AZ	USA	85364	34	132

2 rows in set (0.000 sec)

MariaDB [npudb1]> insert into STATION3
values(15,'Prescott','AZ','USA',86301,37, 133);

Query OK, 1 row affected (0.042 sec)

MariaDB [npudb1]> SELECT * FROM STATION3;

ID	CITY	STATE	COUNTRY	ZIP	LAT_N	LONG_W
13	Phoenix	AZ	USA	85001	33	112
14	Yuma	AZ	USA	85364	34	132
15	Prescott	AZ	USA	86301	37	133

PROBLEM 2

```
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.000 sec)
```

```
MariaDB [npudb1]> insert into STATION3 values(44,'Denver','CO','USA',
80014,40, 105);
```

Query OK, 1 row affected (0.052 sec)

```
MariaDB [npudb1]> SELECT * FROM STATION3;
```

```
+-----+-----+-----+-----+-----+-----+
| ID | CITY      | STATE | COUNTRY | ZIP   | LAT_N | LONG_W |
+-----+-----+-----+-----+-----+-----+
| 13 | Phoenix   | AZ    | USA     | 85001 | 33    | 112    |
| 14 | Yuma      | AZ    | USA     | 85364 | 34    | 132    |
| 15 | Prescott | AZ    | USA     | 86301 | 37    | 133    |
| 44 | Denver    | CO    | USA     | 80014 | 40    | 105    |
+-----+-----+-----+-----+-----+-----+
```

4 rows in set (0.000 sec)

```
MariaDB [npudb1]> insert into STATION3 values(45, 'fort
collins','CO','USA', 80521,41,106);
```

Query OK, 1 row affected (0.037 sec)

```
MariaDB [npudb1]> SELECT * FROM STATION3;
```

```
+-----+-----+-----+-----+-----+-----+
| ID | CITY      | STATE | COUNTRY | ZIP   | LAT_N | LONG_W |
+-----+-----+-----+-----+-----+-----+
| 13 | Phoenix   | AZ    | USA     | 85001 | 33    | 112    |
| 14 | Yuma      | AZ    | USA     | 85364 | 34    | 132    |
| 15 | Prescott | AZ    | USA     | 86301 | 37    | 133    |
| 44 | Denver    | CO    | USA     | 80014 | 40    | 105    |
| 45 | fort collins | CO    | USA     | 80521 | 41    | 106    |
+-----+-----+-----+-----+-----+-----+
```

5 rows in set (0.000 sec)

```
MariaDB [npudb1]> insert into STATION3 values(46, 'Pueblo','CO','USA',
80541,42,107);
```

Query OK, 1 row affected (0.057 sec)

```
MariaDB [npudb1]> SELECT * FROM STATION3;
```

```
+-----+-----+-----+-----+-----+-----+
| ID | CITY      | STATE | COUNTRY | ZIP   | LAT_N | LONG_W |
+-----+-----+-----+-----+-----+-----+
| 13 | Phoenix   | AZ    | USA     | 85001 | 33    | 112    |
| 14 | Yuma      | AZ    | USA     | 85364 | 34    | 132    |
| 15 | Prescott | AZ    | USA     | 86301 | 37    | 133    |
| 44 | Denver    | CO    | USA     | 80014 | 40    | 105    |
| 45 | fort collins | CO    | USA     | 80521 | 41    | 106    |
| 46 | Pueblo    | CO    | USA     | 80541 | 42    | 107    |
+-----+-----+-----+-----+-----+-----+
```

PROBLEM 2

```
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.000 sec)
```

```
MariaDB [npudb1]> SELECT * FROM STATION3
-> where LAT_N > 39.7;
```

```
+-----+-----+-----+-----+-----+-----+
| ID | CITY          | STATE | COUNTRY | ZIP   | LAT_N | LONG_W |
+-----+-----+-----+-----+-----+-----+
| 44 | Denver        | CO    | USA     | 80014 | 40    | 105    |
| 45 | fort collins  | CO    | USA     | 80521 | 41    | 106    |
| 46 | Pueblo        | CO    | USA     | 80541 | 42    | 107    |
+-----+-----+-----+-----+-----+-----+
```

```
3 rows in set (0.000 sec)
```

```
MariaDB [npudb1]> SELECT * FROM STATION3;
```

```
+-----+-----+-----+-----+-----+-----+
| ID | CITY          | STATE | COUNTRY | ZIP   | LAT_N | LONG_W |
+-----+-----+-----+-----+-----+-----+
| 13 | Phoenix       | AZ    | USA     | 85001 | 33    | 112    |
| 14 | Yuma          | AZ    | USA     | 85364 | 34    | 132    |
| 15 | Prescott      | AZ    | USA     | 86301 | 37    | 133    |
| 44 | Denver        | CO    | USA     | 80014 | 40    | 105    |
| 45 | fort collins  | CO    | USA     | 80521 | 41    | 106    |
| 46 | Pueblo        | CO    | USA     | 80541 | 42    | 107    |
+-----+-----+-----+-----+-----+-----+
```

```
6 rows in set (0.000 sec)
```

```
MariaDB [npudb1]> SELECT * FROM STATION3 where ZIP<= 85360;
```

```
+-----+-----+-----+-----+-----+-----+
| ID | CITY          | STATE | COUNTRY | ZIP   | LAT_N | LONG_W |
+-----+-----+-----+-----+-----+-----+
| 13 | Phoenix       | AZ    | USA     | 85001 | 33    | 112    |
| 44 | Denver        | CO    | USA     | 80014 | 40    | 105    |
| 45 | fort collins  | CO    | USA     | 80521 | 41    | 106    |
| 46 | Pueblo        | CO    | USA     | 80541 | 42    | 107    |
+-----+-----+-----+-----+-----+-----+
```

```
4 rows in set (0.000 sec)
```

```
MariaDB [npudb1]> SELECT ID, CITY, STATE FROM STATION;
```

```
+-----+-----+-----+
| ID | CITY   | STATE |
+-----+-----+-----+
| 13 | Phoenix | AZ    |
| 44 | Denver  | CO    |
| 66 | Caribou | ME    |
+-----+-----+-----+
```

```
3 rows in set (0.000 sec)
```

```
MariaDB [npudb1]> SELECT * FROM STATION3;
```

PROBLEM 2

ID	CITY	STATE	COUNTRY	ZIP	LAT_N	LONG_W
13	Phoenix	AZ	USA	85001	33	112
14	Yuma	AZ	USA	85364	34	132
15	Prescott	AZ	USA	86301	37	133
44	Denver	CO	USA	80014	40	105
45	fort collins	CO	USA	80521	41	106
46	Pueblo	CO	USA	80541	42	107

6 rows in set (0.000 sec)

MariaDB [npudb1]> SELECT ID, CITY,STATE,COUNTRY,ZIP,LAT_N,LONG_W FROM STATION3;

ID	CITY	STATE	COUNTRY	ZIP	LAT_N	LONG_W
13	Phoenix	AZ	USA	85001	33	112
14	Yuma	AZ	USA	85364	34	132
15	Prescott	AZ	USA	86301	37	133
44	Denver	CO	USA	80014	40	105
45	fort collins	CO	USA	80521	41	106
46	Pueblo	CO	USA	80541	42	107

6 rows in set (0.001 sec)

MariaDB [npudb1]> SELECT ID, CITY,STATE,COUNTRY,ZIP FROM STATION3;

ID	CITY	STATE	COUNTRY	ZIP
13	Phoenix	AZ	USA	85001
14	Yuma	AZ	USA	85364
15	Prescott	AZ	USA	86301
44	Denver	CO	USA	80014
45	fort collins	CO	USA	80521
46	Pueblo	CO	USA	80541

6 rows in set (0.000 sec)