

## Linux – Maria DB Learning Supplement

### Create a table – people.

```
MariaDB [none]>use maxdb;  
MariaDB [maxdb]> create table people (  
    ->name CHAR(10),  
    -> hired DATE,  
    -> store INTEGER,  
    -> hourly BOOL  
    -> );
```

### Describe table – people.

```
MariaDB [maxdb]> describe people;
```

### Show tables.

```
MariaDB [maxdb]> show tables;
```

### Alter table - people.

```
MariaDB [maxdb]> alter table people modify hourly BOOL  
DEFAULT TRUE;
```

### Describe table – people. Notice the change from alter.

```
MariaDB [maxdb]> describe people;
```

### Insert data.

```
MariaDB [maxdb]> insert into people values  
('topsy','2018/11/01',4,FALSE);  
MariaDB [maxdb]> insert into people values  
('turvy','2018/12/01',2,TRUE);
```

### View data.

```
MariaDB [maxdb]> select * from people;
```

### View data by criteria.

```
MariaDB [maxdb]> select * from people where store = 4;
```

### Delete data by criteria.

```
MariaDB [maxdb]> delete from people where name='john';
```

### Update data by criteria.

```
MariaDB [maxdb]> update people set hourly=TRUE where  
store=4;
```

### Update DATE with CURDATE().

```
MariaDB [maxdb]> update people set hired=CURDATE() where  
name='topsy';
```

### Loading data into table from external file. (No newline on last line of file)

```
MariaDB [maxdb]> exit;  
$ # Create tab separated file  
$ vi addfile  
max      \N      4      0  
zach     09-03-24      6      0  
sam      2008-01-28      6      1  
$ mysql -u jcorkran -p  
MariaDB [maxdb]> LOAD DATA LOCAL INFILE '~/addfile' INTO TABLE  
people;
```

### Create a second table.

```
MariaDB [maxdb]> MariaDB [maxdb]> CREATE TABLE stores (name  
VARCHAR(20),number INTEGER,city VARCHAR(20));
```

### Add data to second table.

```
MariaDB [maxdb]> MariaDB [maxdb]> INSERT INTO stores VALUES  
('headquarter',4,'new york'),('midwest',5,'chicago'),('west  
coast',6,'san francisco');
```

### View data in second table.

```
MariaDB [maxdb]> ?? Can you determine this on your own???
```

### View data in two tables with a join.

```
MariaDB [maxdb]> select * from people,stores where  
store=number;
```

### View data in two tables with a join – select columns;

```
MariaDB [maxdb]> select p.name,s.name from people p,stores s  
where store=number;
```

### Backup your database

```
MariaDB [maxdb]> exit;  
$ mysqldump -u jcorkran -p maxdb >maxdb.mysql
```