

PROBLEM 1

```
Maryams-MacBook-Pro:~ maryamtaherzadeh$ ssh 19529tm@npu1.npu.edu
Password:
Password:
Last login: Wed Sep  4 17:01:07 2019 from
c-107-3-142-7.hsd1.ca.comcast.net
Dd3HaEkt[19529tm@npu1 ~]$ mysql -u Cs457_19529tm -p
Enter password:
ERROR 1045 (28000): Access denied for user 'Cs457_19529tm'@'localhost'
(using password: YES)
[19529tm@npu1 ~]$ mysql -u CS457_19529 -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 126
Server version: 10.4.7-MariaDB MariaDB Server
```

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
MariaDB [(none)]> use npudb1
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
```

Database changed

Query OK, 0 rows affected (0.144 sec)

```
MariaDB [npudb1]> CREATE TABLE STATION
-> (ID INTEGER PRIMARY KEY,
-> CITY CHAR(20),
-> STATE CHAR(2),
-> LAT_N REAL,
-> LONG_W REAL);
```

Query OK, 0 rows affected (0.205 sec)

```
MariaDB [npudb1]> select * from STATION;
Empty set (0.001 sec)
```

```
MariaDB [npudb1]> insert into STATIONA values(13, 'Phoenix', 'AZ', 33,
112);
```

ERROR 1146 (42S02): Table 'npudb1.STATIONA' doesn't exist

```
MariaDB [npudb1]> insert into STATION values(13, 'Phoenix', 'AZ', 33,
112);
```

Query OK, 1 row affected (0.031 sec)

```
MariaDB [npudb1]> select * from STATION;
+----+-----+-----+-----+-----+
| ID | CITY   | STATE | LAT_N | LONG_W |
```

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```
+-----+-----+-----+-----+
| 13 | Phoenix | AZ   |    33 |    112 |
+-----+-----+-----+-----+
1 row in set (0.000 sec)
```

```
MariaDB [npudb1]> insert into STATION values(44, 'Denver', 'CO', 40.5,
105.6);
Query OK, 1 row affected (0.038 sec)
```

```
MariaDB [npudb1]> select * from STATION;
+-----+-----+-----+-----+
| ID | CITY   | STATE | LAT_N | LONG_W |
+-----+-----+-----+-----+
| 13 | Phoenix | AZ    |    33 |    112 |
| 44 | Denver  | CO    |  40.5 |  105.6 |
+-----+-----+-----+-----+
2 rows in set (0.000 sec)
```

```
MariaDB [npudb1]> insert into STATION values((66, 'Caribou', 'ME', 47,
68);
ERROR 1064 (42000): You have an error in your SQL syntax; check the
manual that corresponds to your MariaDB server version for the right
syntax to use near '' at line 1
MariaDB [npudb1]> insert into STATION values(66, 'Caribou', 'ME', 47,
68);
Query OK, 1 row affected (0.044 sec)
```

```
MariaDB [npudb1]> select * from STATION;
+-----+-----+-----+-----+
| ID | CITY   | STATE | LAT_N | LONG_W |
+-----+-----+-----+-----+
| 13 | Phoenix | AZ    |    33 |    112 |
| 44 | Denver  | CO    |  40.5 |  105.6 |
| 66 | Caribou | ME    |    47 |     68 |
+-----+-----+-----+-----+
3 rows in set (0.000 sec)
```

```
MariaDB [npudb1]> create table w_stats
-> (id integer references STATION(id),
-> month integer check (month between 1 and 12),
-> max_temp_f real,
-> min_temp_f real,
-> average_temp_f real,
-> max_rain_i real,
-> min_rain_i real,
-> average_rain_i real,
-> primary key(id, month));
Query OK, 0 rows affected (0.235 sec)
```

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```
MariaDB [npudb1]> select *from w_stats;  
Empty set (0.001 sec)
```

```
MariaDB [npudb1]> insert into w_stats values  
(13,6,80.7,67.9,76,1.78,1.09,1.35);  
Query OK, 1 row affected (0.052 sec)
```

```
MariaDB [npudb1]> select *from w_stats;  
+----+-----+-----+-----+-----+-----+-----+  
+-----+-----+  
| id | month | max_temp_f | min_temp_f | average_temp_f | max_rain_i |  
min_rain_i | average_rain_i |  
+----+-----+-----+-----+-----+-----+-----+  
+-----+-----+  
| 13 |      6 |      80.7 |      67.9 |           76 |      1.78 |  
1.09 |           1.35 |  
+----+-----+-----+-----+-----+-----+  
+-----+-----+  
1 row in set (0.000 sec)
```

```
MariaDB [npudb1]> insert into w_stats values  
(44,7,83,68.7,75.8,1.08,0.39,1.095);  
Query OK, 1 row affected (0.044 sec)
```

```
MariaDB [npudb1]> select *from w_stats;  
+----+-----+-----+-----+-----+-----+-----+  
+-----+-----+  
| id | month | max_temp_f | min_temp_f | average_temp_f | max_rain_i |  
min_rain_i | average_rain_i |  
+----+-----+-----+-----+-----+-----+-----+  
+-----+-----+  
| 13 |      6 |      80.7 |      67.9 |           76 |      1.78 |  
1.09 |           1.35 |  
| 44 |      7 |       83 |      68.7 |          75.8 |      1.08 |  
0.39 |           1.095 |  
+----+-----+-----+-----+-----+-----+  
+-----+-----+  
2 rows in set (0.000 sec)
```

```
MariaDB [npudb1]> insert into w_stats values  
(66,8,79,72,75,1.25,0.65,0.925);  
Query OK, 1 row affected (0.047 sec)
```

```
MariaDB [npudb1]> select *from w_stats;  
+----+-----+-----+-----+-----+-----+-----+  
+-----+-----+  
| id | month | max_temp_f | min_temp_f | average_temp_f | max_rain_i |  
min_rain_i | average_rain_i |
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```

+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+
| 13 |      6 |      80.7 |      67.9 |      76 |      1.78 |
1.09 |      1.35 |
| 44 |      7 |      83 |      68.7 |      75.8 |      1.08 |
0.39 |      1.095 |
| 66 |      8 |      79 |      72 |      75 |      1.25 |
0.65 |      0.925 |
+-----+-----+-----+-----+-----+-----+
+-----+-----+
3 rows in set (0.000 sec)

```

```

MariaDB [npudb1]> select * from STATION, w_stats
-> where STATION.id = w_stats.id;

```

```

+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+
+-----+
| ID | CITY   | STATE | LAT_N | LONG_W | id | month | max_temp_f |
min_temp_f | average_temp_f | max_rain_i | min_rain_i | average_rain_i |
|
+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+
+-----+
| 13 | Phoenix | AZ    | 33 | 112 | 13 | 6 | 80.7 |
67.9 | 76 | 1.78 | 1.09 | 1.35 |
| 44 | Denver  | CO    | 40.5 | 105.6 | 44 | 7 | 83 |
68.7 | 75.8 | 1.08 | 0.39 | 1.095 |
| 66 | Caribou | ME    | 47 | 68 | 66 | 8 | 79 |
72 | 75 | 1.25 | 0.65 | 0.925 |
+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+
+-----+
3 rows in set (0.001 sec)

```