

13

ANSWERS TO EVEN-NUMBERED EXERCISES

2. Using MySQL interactively, create a database named **dbsam** that the user named **sam** can modify and grant privileges on. Set up Sam's password to be **porcupine**. The MySQL user named **root** has the password **five22four**.

```
$ mysql -u root -p
Enter password: five22four
...
mysql> CREATE DATABASE dsam;
Query OK, 1 row affected (0.00 sec)

mysql> GRANT          ALL PRIVILEGES
->          ON        dsam.* to 'sam'
->          IDENTIFIED BY 'porcupine'
->          WITH GRANT OPTION;
Query OK, 0 rows affected (0.00 sec)
```

4. Which commands would you use to set up a table in **dbsam** (created in exercise 2) named **shoplist** with the following columns of the specified types: **day** [DATE], **store** [CHAR(20)], **lettuce** [SMALLINT], **soupkind** [CHAR(20)], **soupnum** [INTEGER], and **misc** [VARCHAR(40)]?

```
USE dsam;
CREATE TABLE shoplist (
    day      DATE,
    store    CHAR(20),
    lettuce  SMALLINT,
    soupkind CHAR(20),
    soupnum  INTEGER,
    misc     VARCHAR(40)
);
```

6. List two ways you can specify the name of a specific MySQL database to work with.

You can specify the name of the database you are working with in your `~/.my.cnf` file or by using a `USE` statement.

8. Assume you are working with the **people** table in the **maxdb** database described in this chapter. Write a query that lists the names of all the people and their hire dates sorted by their names.

```
SELECT      name,  
           hired  
FROM        people  
ORDER BY   name;
```