Name: ____________________________

This assignment is a very simple getting-started exercise to familiarize you with the setup of your class account, Oracle account, and PostgreSQL account. You should submit (1) a hardcopy of this homework with your answers filled in and (2) an electronic file as detailed below. Your work will be easier if you read Sections 2.1 through 2.3 of the Oracle8 textbook and portions of the Basic SQL Commands chapter from the PostgreSQL book.

You are welcome (and encouraged) to use any resources (e.g., Web sites) to help you with your work. However, all such help must be clearly noted in your submissions. Further, no matter what you use, you must be able to explain how and why it works.

1. (5 pts) Read the class Web page, paying particular attention to the class policy. Sign your name here to indicate that you have read this material: ____________________________

2. (3 pts) Change the passwords on your Unix, Oracle, and PostgreSQL accounts. Fill in the following information:

   Unix account: ____________________ Old Unix password: ____________________
   Oracle account: ____________________ Old Oracle password: ____________________
   PostgreSQL account: ____________________ Old PostgreSQL password: ____________________
   Email address that you monitor regularly: ____________________________

3. (2 pts) Change the finger information on your class Unix account so that finger youracct shows your real name (as in class registration records) in the In real life field. (Type man chfn and man finger at the Unix prompt if you don’t know how to make this change.) Fill in the name you entered here: ____________________________

4. (5 pts) Design a database table, called CDs, that will hold information about a collection (e.g., personal library) of music CDs. For each CD, it should hold the artist, title, release year, recording company (e.g., Sony, Geffen), a critics rating (on some scale that you should specify below), the list price (MSRP), and the actual price (e.g., the price you paid). Pick what you believe to be the most appropriate type for each field. You can add additional columns to the table if you like. Exhibit the create table statement used to create this table below:
5. (5 pts) Insert five rows into the CDs table created above. Pick realistic values for each field, and include at least two CDs released in 2000. Exhibit below the insert statements used to populate the Movies table.

6. (5 pts) Write a SQL query that returns the title and artist of CDs released in 2000:

7. (5 pts) Write a SQL query that deletes all the rows in the CDs table and destroys the CDs table.

8. (15 pts) Produce a plain-text file, f1.txt, containing a screen capture of a sqlplus session that performs the actions indicated in Questions 4–7. Produce a similar file, f2.txt, containing a screen capture of a psql session that performs the same actions.

9. (10 pts) Concatenate the files f1.txt and f2.txt and name the new file foo-bar.txt, replacing foo with your last name suffixed with your initials (e.g., HendrixJM.txt) and bar with an arbitrary 4-digit number (e.g., 1664). Compress the text file using gzip; the resulting file should be named foo-bar.txt.gz (e.g., HendrixJM-1664.txt.gz). Upload foo-bar.txt.gz using anonymous FTP (using anonymous as the user name and your email address as the password) to the FTP server ftp.cs.umd.edu in directory /incoming/cmsc424-0101/. (If you upload the wrong file by mistake, you can upload another, but you will need to use a different name—say, foo-bar-2.txt.gz.) You will not be able to list the FTP upload directory (standard security setup), so pay attention to the diagnostic messages from your FTP program. If the messages indicate success, your file will have been uploaded. Please upload the file before you submit your hardcopy homework. Write down the name of the file you uploaded here: