

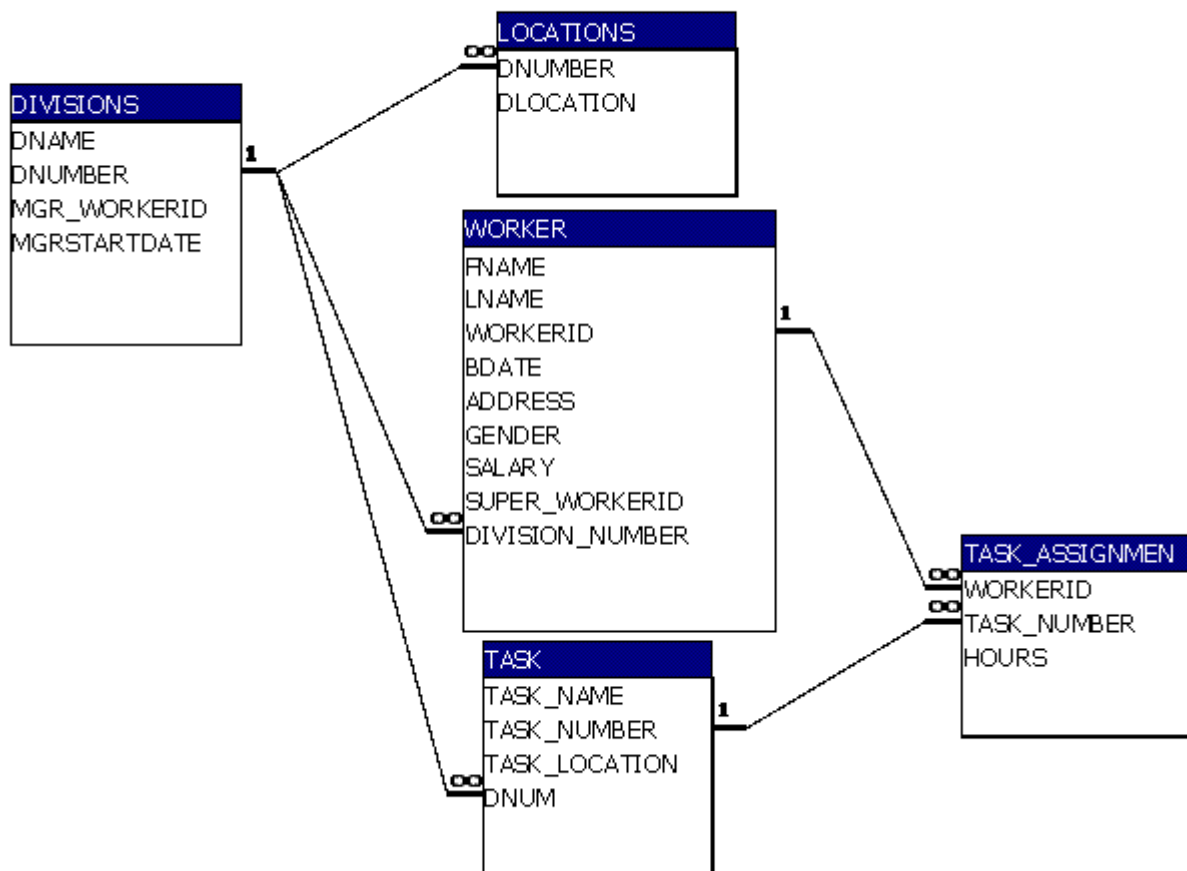
## CIS 3400 Homework #3 Structured Query Language Due: Thursday October 22

Given the [MS Access 2003 database schema located in the hwdb\\_2003.mdb file](#), Answer the following 10 queries by writing out the SQL statements. Supply the "hand written" SQL statement and paste in the actual answer to the query:

- Find the full names and all division information for each worker who makes more than \$35,000. Sort this result by last name.
- Show the name, gender and date of birth of the oldest worker.
- Show the name and salary of the lowest paid worker (or workers).
- List the names and salaries of workers who work for a division with a location in 'Long Island'.
- List the names and division numbers of workers who work on the 'WebSiteDesign' task.
- Retrieve the average salary of all female workers.
- Show the name and division number of the worker who supervises the *most* other workers.
- List the names of division managers who manage a division located in Fort Lee. (Note that there is a difference between a supervisor and a division manager)
- Retrieve the name of the youngest worker to supervise another worker.
- Show the name and division number of the division manager whose division is responsible for the largest number of tasks.
- Extra Credit:* Find the names and addresses of workers who work on at least one task located in Long Island but whose division has no location in Long Island.

### Relationships for hwdb\_2000

Monday, October 24, 2005



Follow the directions below to use MS Access and MS Word to complete your assignment

- Run MS Access and open up your database with the tables (Note you may import or convert the given database to work in MS Access 2007).

2. Run MS Word and open up your homework assignment.
3. Switch back to MS Access and choose the Queries tab. Click on the "New" button to create a new query. Select the option to go directly to the Design View. When the Design View appears, you will see a list of your tables. Click the "Close" button.
4. Pull down the "View" menu and choose the "SQL View" menu item. A window will appear for you to type in your SQL query.
5. Type your SQL Query in the window provided. Once you have written your SQL query properly, highlight the SQL text and copy it to the clipboard. Switch to MS Word and paste the SQL text in.
6. Switch back to MS Access, pull down the "Query" menu and choose "Run" to run your query (or, click on the exclamation point icon).
7. When the results appear, click in the upper left corner of the results to highlight the entire result table. Then copy the table to the clipboard, switch to MS word and paste the results.
8. Switch back to MS Access and save your query. To re-write the current query, go back to step 4. To start a new query, close the current one and go back to step 3.

Example:

Ex1: Display the first and last name of all workers in division 4

SQL:

```
SELECT worker.fname, worker.lname  
FROM   worker  
WHERE  worker.division_number = 4;
```

Results:

fname	lname
Suzanne	Sampson
Jahred	Zimmerman
Alice	Yahito

**Please do not paste in screen shots of the entire Windows screen.**