**Assignment: Project 1 - part A**

 Due Date

**Sunday, September 7, 2014**11:59 PM

Points Possible

**10**

Use the HR database that comes with Oracle 11g installtion.  (no need to create a new database).

**Assignment: Lab1 - Week1**

Due Date

**Sunday, September 7, 2014**11:59 PM

Points Possible

**5**

# Assignment: SQL for Small Engine Shop

 Due Date

**Sunday, September 14, 2014**11:59 PM

Points Possible

**5**

List the names of all chlidren for the employee with the highest sales (from the orders table) in Jan,2014.

Submit text file save as .sql and name it as follows: ITM422-Section4-HW-1-YourName.sql

**Due Sep 14th 2014.**

Notes:

1. your script should create the children table and insert some tuples in the table (children).

2. your script should insert orders in the order table (from project part A) and assign orders to employees from Employee table.

3. No need to insert records in the employee table (use existing data from the HR database).

**Giving you ERD for Jeff’s Shop answer the following questions:**

1. Draw a complete ERD for your solution showing all tables.
2. Select all customers with or without orders, for customers with orders list all order information
3. List customers with orders only.
4. Find a Cartesian product of the customer and order tables
5. List all items that have not been ordered yet.
6. List all ordered items
7. List all orders that the customer did not pay for.
8. List all orders paid with a check (assume you have a separate payment table)
9. Give all ordered items in Jan 2014 and not in Jan 2013.
10. List customer names and phone numbers from Texas with orders over $1000.
11. List all customers names along with their cities weather the customer has a city or not.
12. List all customers with cancelled orders.
13. List all vendors and their items (list vendors only who has items in the database. Assume we have a separate table for vendors)
14. List sales total per month
15. List the customer with the highest order total
16. List the address and name of the customers who placed at least 2 orders
17. List the average order total for all customers from Chicago
18. For each item list customers’ names who ordered it
19. List the number of orders for each state (customer’s state).
20. List the name of your favorite professor.

Due Sep. 28th 2014

# Assignment: Group By Implementation

 Due Date

**Thursday, October 30, 2014**11:59 PM

Points Possible

**10**

Implment using your faviorate programming language the avg (...) with groupby and having clauses.

Options:

1. you can connect to ta database and retreive the table data from database and store it in a local data structure.

2. you can locally store your table using any data structure (Array, ArrayList, LinkedList, etc)

3. You can implement only the avg functoin or all functions or the avg and any other function

4. submit a zip file that follows this naming convention: (ITM422-SectionNumber-Extra1-YourName.zip)

5. submit a readme file to tell me how to comile and/or run your application and how does it work (input==> output)

**Due Date: Oct 30th 2014.**