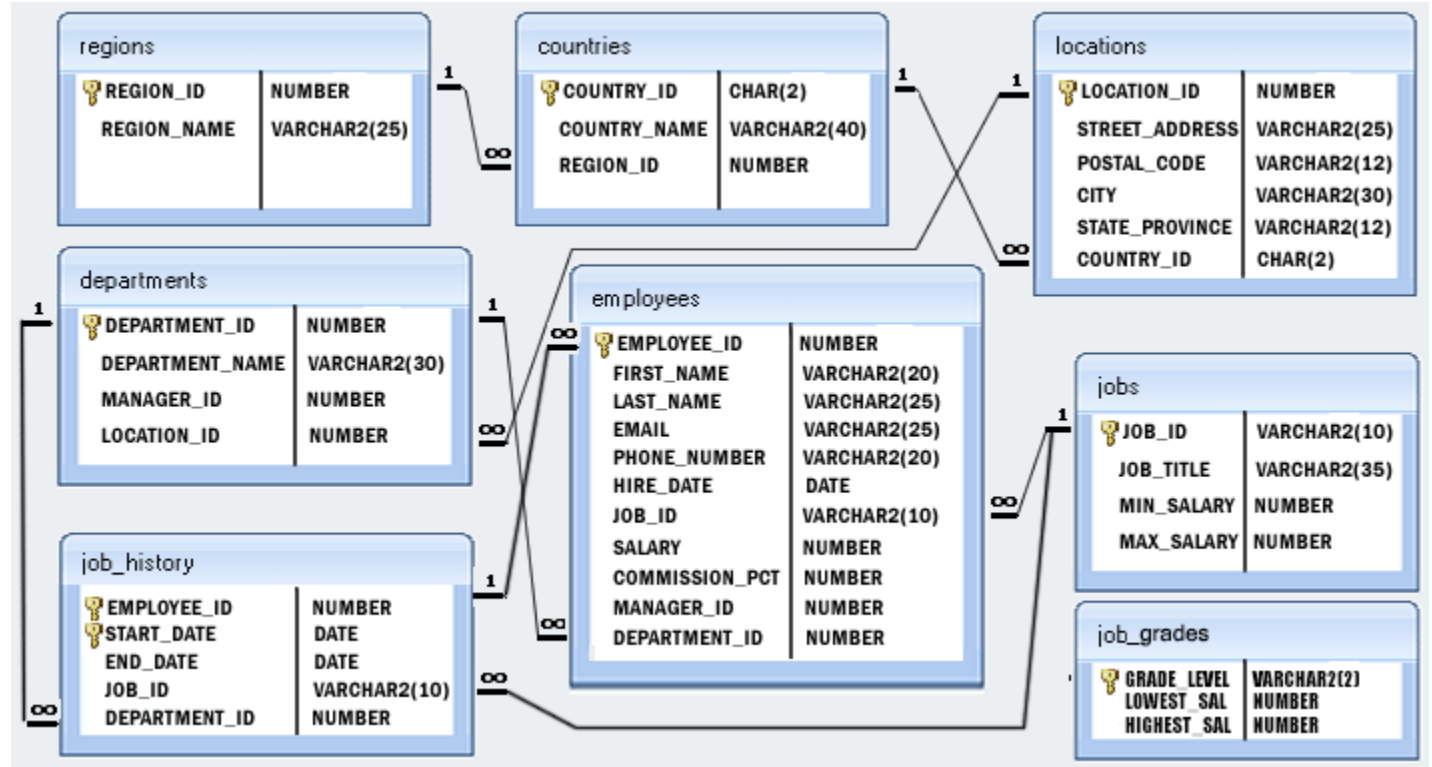


STAT 4260 – Databases
Spring 2018

Assignment 4 – [75 points]

For this assignment, we will again be using the **hr** database from Assignment 3*.
The following is the structure of the **hr** database:



*Provided by w3resource website

It's good practice to make SQL keywords uppercase to distinguish them from other parts of your query. Please do this to make it easier for the grader. Also remember to include a semicolon at the end of your query. This tells SQL where the end of your query is!

[5pts] Electronic submission

1. [1 pts] Provide the SQL code to display the list of jobs/designations available in the **employees** table without showing duplicates.
2. [3 pts] Provide the SQL code to display all records from the **employees** table where an employee's last name is 'BLAKE', 'SCOTT', 'KING' or 'FORD'.
3. [5pts] Provide the SQL code to update the portion of the **phone_number** in the **employees** table by replacing the substring '124' with '999'.
4. [3 pts] Provide the SQL code to display all the details of the employees where the length of their first name is greater than or equal to 8.

5. [5 pts] Provide the SQL code to display the employee id and email (discarding the last three characters) while renaming it **email_id**. Hint – emails are all different length so you may want to reverse the email to discard characters.
6. [4 pts] Provide the SQL code to append '@example.com' to the email field in the employees table.
7. [1 pts] Provide the SQL code to display all employees' (from the **employees** table) first names in all upper case.
8. [3 pts] Provide the SQL code display the last 4 characters of all the phone numbers renamed 'Ph.No.' in the **employees** table. Hint- will need a built-in function not talked about in class
9. [6 pts] Provide the SQL code to display all information from the **locations** table whose **street_address** is the minimum street length found in the **locations** table.
10. [4 pts] Provide the SQL code to display the full name (first name and last name together) of employees in the **employees** table whose last name contain the character 'c' after the 2nd position.
11. [5 pts] Provide the SQL code to display the first name, length of the first name for all employees whose first name starts with the letters 'A', 'J', or 'M'. give each column an appropriate label and sort the results by the employees' first names.
12. [5 pts] Provide the SQL code to display the first 8 characters of the employees' first names, salary, and indicates the amounts of their salaries with '\$' sign. Each '\$' signifies a thousand dollars. Sort the data in descending order of salary. Hint – Use the REPEAT function.

Example -

Steven	\$	24000.00
Neena	\$	17000.00
Lex	\$	17000.00
John	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	14000.00

13. [5 pts] Provide the SQL code to display the first word from those job titles in the jobs table which contain more than one word.
14. [3 pts] Provide the SQL code to display only the year from the current date.
15. [5 pts] Provide the SQL code to display the current date, renamed **date**, in the following format:
Sample date: 2014-09-04
Output: September 4, 2014
16. [4 pts] Provide the SQL code to display the current date in the following format:
Sample date: 2014-09-04
Output: Thursday September 2014
17. [3 pts] Provide the SQL code to extract the year from the current date.
18. [5 pts] Provide the SQL code to display the first name and hire date from the **employees** table that were hired between '1989-06-01' and '1987-07-30'.