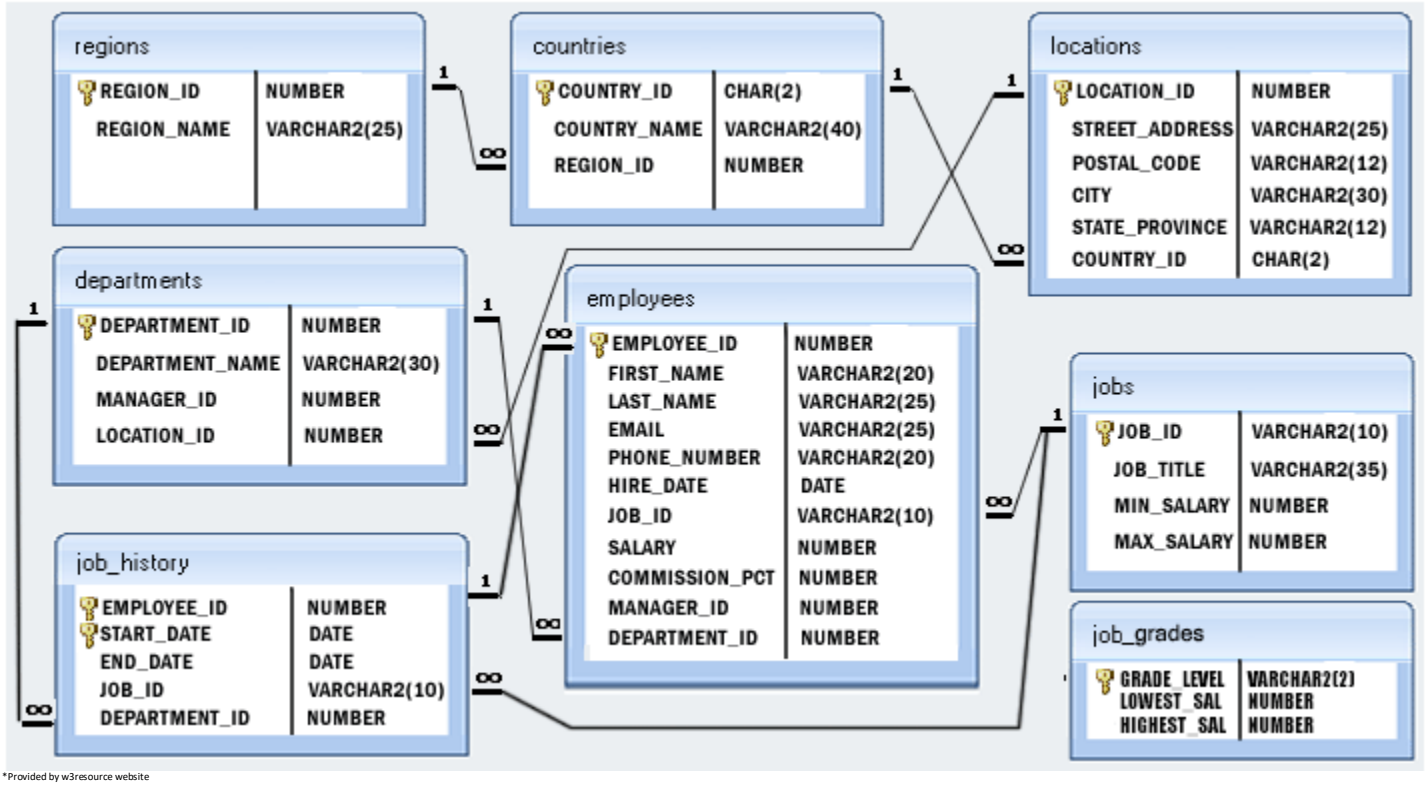
STAT 4260 – Databases
Spring 2018

Assignment 5 – [60 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. [4 pts] Provide the SQL code to display the id, first name, last name and hire date of all employees who were hired either on the seventh day of any month or seventh month in any year. Note – None of the years in the database contain '07' within them so you do not have to account for this in your code.

2. [4 pts] Provide the SQL code to display the last day of the month (in date format) three months before the current month.

3. [4 pts] Provide the SQL code to display the **job_id** and related employees' id (renamed EmployeesID) from the **employees** table. Note you may have to use a function not covered in class to join the IDs together in the same column. E.g.

job_id	Employees ID
AC_ACCOUNT	206
AC_MGR	205
AD_ASST	200
AD_PRES	100
AD_VP	101 ,102
FI_ACCOUNT	109 ,110 ,111 ,112 ,113

4. [3 pts] Provide the SQL code to display the **job_id,** total salary, maximum salary, minimum salary and average salary of all **job_id**s for department ID 90 only from the **employees** table.

5. [2 pts] Provide the SQL code to display the current date in the given format: e.g. 05/09/2018

6. [3 pts] Provide the SQL code to display the job ID and maximum salary of the employees where maximum salary is greater than or equal to $4000.

7. [3 pts] Provide the SQL code to display the job ID and average salary for all departments with more than 10 employees.

8. [3 pts] Provide the SQL code to display the job ID and average salary for each job ID excluding programmer (**IT_PROG**) from the **employees** table.

9. [1 pts] Provide the SQL code to display department ID and the total salary payable to each department.

10. [4 pts] Provide the SQL code to find the manager ID and the salary of the lowest-paid employee for that manager from the **employees** table, displaying them in descending minimum salary order.

11. [2 pts] Provide the SQL code to display **job_id** and number of employees with the same job (**job_id**) from the **employees** table.

12. [2 pts] Provide the SQL code to display the first name, hire date and experience of the employees in terms of years (how long they have been working up to the current date).

13. [3 pts] Provide the SQL code to display the distinct Mondays from **hire_date** in the **employees** table.

14. [2 pts] Provide the SQL code to display the first name, hire date and experience of the employees in terms of years (how long they have been working up to the current date).

15. [2 pts] Provide the SQL code to display the the current date in the specified format:
    e.g. 12:00 AM Aug 30, 2017

16. [2 pts] Provide the SQL code to display get the first name and last name of employees who joined in the month of June.

17. [3 pts] Provide the SQL code to display the years in which more than 10 employees joined.

18. [5 pts] Provide the SQL code to display the department name, manager's full name (renamed **name**), and manager's salary for all managers whose experience up to 08/01/1992 is more than 5 years.

19. [3 pts] Provide the SQL code to display the department ID, year of hiring date ('1987'), and the number of employees joined sorted in ascending order by **department_id**.