Big Data Analytics – Homework 4

Due 9 am, October 1st

This assignment will help you improving your skills pulling data from **both single and multiple table.** Questions have been designed to expose you the same situation you will confront on the day of the exam. Please Enjoy

Download and install the data base `MySQL_db_university_basic_gen.sql` from your LATTE. Answer the following questions.

1. *Can you please* list all the courses that belong to the Comp. Sci. department and have 3 credits?

2. *Can you please* list all the students who were instructed by Einstein; make sure there are not duplicities

3. *Can you please* list the names of the all the faculty getting the highest salary within the whole university? (Retrieve aside of their names, their departments names and buildings)

4. *Can you please* list the names of all the instructors along with the titles of the courses that they teach?

5. *Can you please* list the names of instructors with salary amounts between $90K and $100K?

6. *Can you please* list what courses were taught in the fall of 2009?

7. Can you please list all the courses taught in the spring of 2010?

8. Can you please list all the courses taught in the fall of 2009 **or** in the spring of 2010.

9. List the all the courses taught in the fall of 2009 **and** in the spring of 2010.

10. List all the faculty along with their salary and department of the faculty who tough a course in 2009

11. Find the average salary of instructors in the Computer Science department.

12. For each department, please find the maximum enrollment, across all sections, in autumn 2009

13. Get a table displaying a list of all the students with their ID, the name, the name of the department and the total number of credits along with the courses they have already taken?

14. Display a list of students in the Comp. Sci. department, along with the course sections, that they have taken in the spring of 2009. Make sure all courses taught in the spring are displayed even if no student from the Comp. Sci. department has taken it.