# DB Training Assignment

## Section I

The table given below show the description of **EMPLOYEES** table.

| | |
|---|---|
| Employee_Id | INT |
| First_Name | VARCHAR(50) |
| Last_Name | VARCHAR(50) |
| Job_Id | VARCHAR(50) |
| Hire_Date | DATE |
| Salary | INT |
| Manager_Id | INT |
| Commission_Percent | INT |
| Department_Id | VARCHAR(10) |

Sample Data:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 100 | Hugh | Grant | CEO | 2010-02-25 | 8000 | | 20 | ADMIN |
| 101 | Bruce | Willis | IT_MGR | 2011-01-23 | 6000 | 100 | 10 | IT |
| 102 | Leonardo | Dicaprio | IT_PROG | 2013-01-29 | 4000 | 101 | | IT |

…….and so on.

Look at the above table description and write queries for following questions.

1. Display First name and Job of all employees who do not earn a commission.
2. Display name, job id and data of hiring of all employees who work in IT department with the most recent dates appearing first.
3. Display no. of employees in each department, alongside department code, only those employees with salary greater than 3000.
4. Modify Query 3 such that only departments with more than 15 employees are displayed.
5. Display total salary of each department, alongside department code, with only departments with total salary > 10000. If any employee has no departments display “EXECUTIVE”.

## Section II

1. Write a query to subtract current date to previous year, but add 2 months.

2. Write a query to display output given below using MySQL date functions:

   Table Name: **tblDATE**

| Month | Year |
|---|---|
| January | 2013 |
| February | 2013 |
| March | 2013 |

**Required Output :**

| Month | Start Date | End Date |
|---|---|---|
| Jan-13 | 01/01/2013 | 31/01/2013 |
| Feb-13 | 01/02/2013 | 28/02/2013 |
| Mar-13 | 01/03/2013 | 31/03/2013 |

## Section III

Use **Sakila** database for all the queries. (Use Subqueries for questions 4, 5 & 6)

1. Select the title and language of all the films with film title starting with 'A'.
   (Tables: film, language)

2. Return the first name, last name and city of all customers who live in Canada. Order the results first by the last name and then by the first name.
   (Tables: customer, address, city, country)

3. Select name of **all** of the customers who have rented horror movies.
   (Tables: customer, rental, inventory, film_category, category)

4. Select full name of all the actors of films along with the film name, which contain actor with first name '**JENNIFER**'.

5. Select full name of **all** of the customers who have rented movies in the category '**Music'**.

6. Show all customer ids and full names who have rented a film in every category with **category_id >=5**.