**Table Joining:**

1. Write an SQL query to show each employee and his manager name
2. Write an SQL query to show all the department name, the corresponding location name (format: street address, postal code, city) and the corresponding country name
3. Write an SQL query to show those employee ids, their names and their corresponding job titles such that the job titles are not related to any “clerk” category. Sort the output according to the employee id.
4. Write an SQL query to show all the employee details and his department name even if the employee is not assigned to any department.
5. Write an SQL query that will show each employee name, his salary and other employee names and their salaries(within the same department) who gets higher salary then him.
6. Write an SQL query to show the employee names and hire date of those employees who was hired after ‘Bruce’ [first\_name]
7. Write a query to find the employee ID, job title, number of days between ending date and starting date for all jobs in department 90.
8. Write a query to display department name, name (first\_name, last\_name), hire date, salary of the manager for all managers whose experience is more than 15 years.

Solutions:

1. select e.first\_name, m.first\_name

from employees e join employees m on e.MANAGER\_ID=m.employee\_id;

2. SELECT d.department\_name, concat(l.street\_address,',',l.postal\_code,',',l.city) as 'location details', c.country\_name

FROM departments d join locations l on d.LOCATION\_ID=l.LOCATION\_ID join countries c on l.COUNTRY\_ID=c.country\_id

3.select e.employee\_id, e.first\_name, j.job\_title

from employees e join jobs j on e.JOB\_ID = j.JOB\_ID

where j.JOB\_TITLE not like "%clerk%"

order by e.EMPLOYEE\_ID

4.select e.\*, d.department\_name

from employees e left join departments d on e.DEPARTMENT\_ID=d.department\_id

5.select e1.first\_name, e1.salary, e2.first\_name, e2.salary

from employees e1 join employees e2 on e1.SALARY<e2.SALARY and e1.DEPARTMENT\_ID = e2.DEPARTMENT\_ID

6. select e.first\_name, e.hire\_date

from employees e join employees e1 on e.HIRE\_DATE>e1.HIRE\_DATE and e1.FIRST\_NAME LIKE "Bruce"

7. select jh.employee\_id, j.job\_title, datediff(jh.end\_date, jh.start\_date)

from job\_history jh join jobs j on jh.job\_id=j.job\_id and jh.department\_id = 90

8. select d.department\_name, concat(m.first\_name, m.last\_name) as "full name", m.hire\_date, m.salary

from departments d join employees m on d.MANAGER\_ID=m.employee\_id

where datediff(curdate(), m.hire\_date)/365 > 15