**ERD**

Job\_ History

Region

Countries

Locations

Job Grades

Jobs

Departments

Employees

1

3

2

5

4

6

**Entity Relationship Statements:**

1. Each Employee may have 1 or more job histories.

Each job history must have one job.

1. Each Employee must work in one department.

Each department must have one or more employees.

1. Each Employee must have one job.

Each job may have one or more employees.

1. Each department must be in one location.

Each location may have one or more departments.

1. Each location must be in one country.

Each country may have one or more locations.

1. Each country may have 1 or more regions.

Each region must have one or more countries.

**EMPLOYEE Queries:**

1. All rows and columns from the EMPLOYEES table.

SELECT \*

FROM EMPLOYEES

ORDER BY LAST\_NAME;

1. Employee name and department name.

SELECT EMPLOYEES.FIRST.NAME+’’+EMPLOYEES.LAST\_NAME AS EMPLOYEE,

DEPARTMENTS.DEPARTMENT\_NAME

FROM EMPLOYEES INNER JOIN DEPARTMENTS

ON EMPLOYEES.DEPARTMENT\_ID=DEPARTMENTS.DEPARTMENT\_ID;

1. Employee last name, department name, and street address of office. Sorted by department name.

SELECT EMPLOYEES.LAST\_NAME,DEPARTMENTS.DEPARTMENT\_NAME,LOCATIONS.STREET\_ADDRESS

FROM (DEPARTMENTS INNER JOIN LOCATIONS ON

DEPARTMENTS.LOCATION\_ID = LOCATIONS.LOCATION\_ID)LEFT JOIN EMPLOYEES

ON EMPLOYEES.DEPARTMENT\_ID = DEPARTMENTS.DEPARTMENT\_ID

ORDER BY DEPARTMENTS.DEPARTMENT\_NAME;