Week #3: Assignment

**Question #1: Using the week3 database (employee\_w3.db), write queries to get answer to the following questions:**

a) Get list of employees with following information (sorted by Employee\_Name):

|  |  |  |  |
| --- | --- | --- | --- |
| Emp\_Id | Employee\_Name | Department\_Name | Department\_Location |
|  |  |  |  |

b) Get list of departments with following information (sorted by Department\_Location and Department\_Name):

|  |  |  |
| --- | --- | --- |
| Department\_Location | Department\_Name | Employee\_Name |
|  |  |  |

**Question #2: Assuming the employee and department table has the following information:**

Table: Department

|  |  |  |
| --- | --- | --- |
| **Dept\_Id** | **Name** | **Location** |
| 1 | Human Resources | Head-Office |
| 2 | Marketing | Head-Office |
| 3 | Sales | Regional-Office |
| 4 | Customer Support | Regional-Office |

Table: Employee

|  |  |  |
| --- | --- | --- |
| Emp\_Id | Name | Dept\_Id |
| 1 | Asif | 1 |
| 2 | Saleem | 1 |
| 3 | Arif | 2 |
| 4 | Asma | 2 |
| 5 | Amna | 3 |
| 6 | Sagheer | 3 |
| 7 | Salman | 3 |

**Write the result of following queries:**

1. SELECT COUNT(\*) FROM EMPLOYEE;
2. SELECT COUNT(\*) FROM DEPARTMENT;
3. SELECT COUNT(\*)   
   FROM EMPLOYEE AS E   
    JOIN DEPARTMENT AS D ON (D.DEPT\_ID = E.DEPT\_ID);
4. SELECT COUNT(\*)   
   FROM EMPLOYEE AS E   
    INNER JOIN DEPARTMENT AS D ON (D.DEPT\_ID = E.DEPT\_ID);
5. SELECT COUNT(\*)   
   FROM EMPLOYEE AS E   
    LEFT JOIN DEPARTMENT AS D ON (D.DEPT\_ID = E.DEPT\_ID);
6. SELECT COUNT(\*)   
   FROM EMPLOYEE AS E   
    LEFT OUTER JOIN DEPARTMENT AS D ON (D.DEPT\_ID = E.DEPT\_ID);
7. SELECT COUNT(\*)   
   FROM DEPARTMENT AS D   
    JOIN EMPLOYEE AS E ON (D.DEPT\_ID = E.DEPT\_ID);
8. SELECT COUNT(\*)   
   FROM DEPARTMENT AS D   
    LEFT JOIN EMPLOYEE AS E ON (D.DEPT\_ID = E.DEPT\_ID);