**DBMS Lab**

**Assignment No. 3 (Table, View, Index, Sequence, Synonym)**

**Title:** Design and Develop SQL DDL statements which demonstrate the use of SQL objects such as Table, View, Index, Sequence, Synonym.

**View**

* **Create table Employees and Departments as shown below:**

(Use emp\_id as primary key for employees table and dept\_id as a primary key for departments table)

|  |  |  |  |
| --- | --- | --- | --- |
| emp\_id | emp\_name | salary | dept\_id |
| 1 | Ethan Hunt | 5000 | 4 |
| 2 | Tony Montana | 6500 | 1 |
| 3 | Sarah Connor | 8000 | 5 |
| 4 | Rick Deckard | 7200 | 3 |
| 5 | Martin Blank | 5600 | NULL |

|  |  |
| --- | --- |
| dept\_id | Dept\_name |
| 1 | Administration |
| 2 | Customer Service |
| 3 | Finance |
| 4 | Human Resources |
| 5 | Sales |

* **Execute the following queries in MySQL:**

1. Retrieve the id and name of the employees along with their department name (Use Left Join)

SELECT t1.emp\_id, t1.emp\_name, t2.dept\_name

FROM employees AS t1 LEFT JOIN departments AS t2

ON t1.dept\_id = t2.dept\_id;

1. Create View for the above query.
2. Retrieve records from the above created view.
3. Replace the above view to show emp\_id, .emp\_name, dept\_name salary also.
4. Insert 3 more records in above created view.
5. Update the above view to set salary =6000 for the employee having emp\_id 1.
6. Retrieve the record from view where dept\_id of employees is NULL.
7. Delete those records from view where employee salary is 8000.
8. Drop the above created view.