

Lab 12:

- i) Create view from Employee_details table
- ii) List data from view
- iii) List data items using different operator
- iv) Create view from multiple table and display data

Source code:

```
CREATE DATABASE CompanyDB;
```

```
USE CompanyDB;
```

```
CREATE TABLE Employees (
```

```
    emp_id INT PRIMARY KEY,
```

```
    name VARCHAR(50),
```

```
    dept_id INT,
```

```
    salary DECIMAL(10,2),
```

```
    manager_id INT
```

```
);
```

```
CREATE TABLE Departments (
```

```
    dept_id INT PRIMARY KEY,
```

```
    dept_name VARCHAR(50)
```

```
);
```

```
INSERT INTO Departments (dept_id, dept_name) VALUES
```

```
(10, 'HR'),
```

```
(20, 'IT'),
```

```
(30, 'Sales');
```

```

INSERT INTO Employees (emp_id, name, dept_id, salary, manager_id) VALUES
(1, 'Ram', 10, 5000, NULL),
(2, 'Sita', 20, 6000, 1),
(3, 'Shyam', 10, 5500, 1),
(4, 'Gita', 30, 7000, 2),
(5, 'Prakash', 20, 6500, 2);

```

-- i) Create view from Employee_details table

```

CREATE VIEW Employee_details AS
SELECT emp_id, name, dept_id, salary, manager_id
FROM Employees;

```

1 queries executed, 1 success, 0 errors, 0 warnings

Query: CREATE OR REPLACE VIEW Employee_details AS SELECT emp_id, name, dept_id, salary, manager_id FROM Employees

0 row(s) affected

-- ii) List data from view

```

SELECT * FROM Employee_details;

```

emp_id	name	dept_id	salary	manager_id
1	Ram	10	5000.00	(NULL)
2	Sita	20	6000.00	1
3	Shyam	10	5500.00	1
4	Gita	30	7000.00	2
5	Prakash	20	6500.00	2

-- iii) List data items using different operators

```

SELECT * FROM Employee_details

```

```

WHERE salary > 5500;

```

emp_id	name	dept_id	salary	manager_id
2	Sita	20	6000.00	1
4	Gita	30	7000.00	2
5	Prakash	20	6500.00	2

SELECT * FROM Employee_details

WHERE salary BETWEEN 5000 AND 6500;

emp_id	name	dept_id	salary	manager_id
1	Ram	10	5000.00	(NULL)
2	Sita	20	6000.00	1
3	Shyam	10	5500.00	1
5	Prakash	20	6500.00	2

SELECT * FROM Employee_details

WHERE name LIKE 'R%' OR name LIKE 'S%';

emp_id	name	dept_id	salary	manager_id
1	Ram	10	5000.00	(NULL)
2	Sita	20	6000.00	1
3	Shyam	10	5500.00	1

-- iv) Create view from multiple tables and display data

CREATE Employee_Dept AS

SELECT e.emp_id, e.name, e.salary, d.dept_name

FROM Employees e

INNER JOIN Departments d

ON e.dept_id = d.dept_id;

SELECT * FROM Employee_Dept;

emp_id	name	salary	dept_name
1	Ram	5000.00	HR
2	Sita	6000.00	IT
3	Shyam	5500.00	HR
4	Gita	7000.00	Sales
5	Prakash	6500.00	IT