

Ex. No:5  
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## CREATING VIEWS

Find the Solution for the following:

1. Create a view called EMPLOYEE\_VU based on the employee numbers, employee names and department numbers from the EMPLOYEES table. Change the heading for the employee name to EMPLOYEE.

**CREATE VIEW EMPLOYEE\_VU AS**

**SELECT employee\_id AS EMPNO, first\_name || ' ' || last\_name AS EMPLOYEE, department\_id AS DEPTNO FROM EMPLOYEES;**

2. Display the contents of the EMPLOYEES\_VU view.

**SELECT \* FROM EMPLOYEE\_VU;**

Results Explain Describe Saved SQL History

EMPNO	EMPLOYEE	DEPTNO
1	John Doe	30
2	Jane Smith	20
3	Matos Brown	50
4	Emily Davis	40
5	Michael Wilson	10

5 rows returned in 0.01 seconds Download

3. Select the view name and text from the USER\_VIEWS data dictionary views.

**SELECT view\_name, text**

**FROM USER\_VIEWS**

**WHERE view\_name = 'EMPLOYEE\_VU';**

VIEW_NAME	TEXT
EMPLOYEE_VU	SELECT employee_id AS EMPNO, first_name    ' '    last_name AS EMPLOYEE, department_id AS DEPTNO FROM EMPLOYEES
1 rows returned in 0.03 seconds	
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- ```
SELECT EMPLOYEE, DEPTNO
FROM EMPLOYEE_VU;
```

5 rows returned in 0.00 seconds

- ```
CREATE VIEW DEPT50 AS
SELECT employee_id AS EMPNO, last_name AS EMPLOYEE, department_id AS
DEPTNO
FROM EMPLOYEES
WHERE department_id = 50
WITH CHECK OPTION;
```

- DESC DEPT50;

[illegible]

7. Create a view called SALARY\_VU based on the employee last names, department names, salaries, and salary grades for all employees. Use the EMPLOYEES, DEPARTMENTS and JOB\_GRADE tables. Label the column Employee, Department, salary, and Grade respectively.

**CREATE VIEW SALARY\_VU AS**

**SELECT e.last\_name AS Employee, d.department\_name AS Department, e.salary AS Salary, (SELECT grade FROM JOB\_GRADES WHERE e.salary BETWEEN low\_salary AND high\_salary) AS Grade**

**FROM EMPLOYEES e**

**JOIN DEPARTMENTS d ON e.department\_id = d.department\_id;**

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```
CREATE VIEW SALARAY_VU (Employee, Department, Salary, Grade) AS
SELECT emp_last_name AS Employee, dept_head AS Department, salary AS Salary, grade AS Grade
FROM employee;
```

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**Results** Explain Describe Saved SQL History

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View created.