

S ARAVIND  
231901006  
EXPNO:05  
DATE:28.08.2024

CREATING VIEWS

- Find the Solution for the following:
- 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;
```

- Display the contents of the EMPLOYEES\_VU view.

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

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SELECT \* FROM  
EMPLOYEE\_VU;

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

```
SELECT view_name,
textFROM
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
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1 rows returned in 0.03 seconds

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- ```
SELECT EMPLOYEE,  
DEPTNOFROM  
EMPLOYEE_VU;
```

| EMPLOYEE       | DEPTNO |
|----------------|--------|
| John Doe       | 30     |
| Jane Smith     | 20     |
| Matos Brown    | 50     |
| Emily Davis    | 40     |
| Michael Wilson | 10     |

- Create a view named DEPT50 that contains the employee number, employee last names and department numbers for all employees in department 50. Label the view columns EMPNO, EMPLOYEE and DEPTNO. Do not allow an employee to be reassigned to another department through the view.

- Display the structure and contents of the DEPT50 view.  
DESC DEPT50;

[illegible]

- Attempt to reassign Matos to department 80.

```
UPDATE  
DEPT50 SET  
DEPTNO = 80  
WHERE EMPLOYEE = 'Brown';
```

ORA-02291: integrity constraint (KAVIYA.V.SYS\_C007586) violated - parent key not found

- 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;
```