

## CREATING VIEWS

EXPNO:05  
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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 [Download](#)

[illegible]

7. 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

8. 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;
```