

WHERE department_id=10
WITH READ ONLY;

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, employee_name AS EMPLOYEE,
department_id
FROM EMPLOYEES;

2. Display the contents of the EMPLOYEES_VU view.

SELECT * FROM EMPLOYEE_VU;

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';
```

4. Using your EMPLOYEES_VU view, enter a query to display all employees names and department.

```
SELECT EMPLOYEE, department_id
FROM EMPLOYEE_VU;
```

5. 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.

```
CREATE VIEW DEPT50 (EMPNO, EMPLOYEE, DEPTNO) AS
SELECT employee_id, last_name, department_id FROM EMPLOYEES
WHERE department_id = 50
WITH CHECK OPTION CONSTRAINT DEPT50_CHECK;
```

6. Display the structure and contents of the DEPT50 view.

```
DESCRIBE DEPT50;
SELECT * FROM DEPT50;
```

7. Attempt to reassign Matos to department 80.

```
UPDATE EMPLOYEES SET department_id = 80
WHERE last_name = 'Matos';
```

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 FROM
EMPLOYEE e
```

```
JOIN DEPARTMENTS d ON e.department_id = d.department_id
JOIN Job-grade j ON e.salary BETWEEN j.lowest_salary
AND j.highest_salary;
```


Evaluation Procedure	Marks awarded
Query(5)	5
Execution (5)	5
Viva(5)	5
Total (15)	15
Faculty Signature	<u>P. J. R.</u> 30/9/25