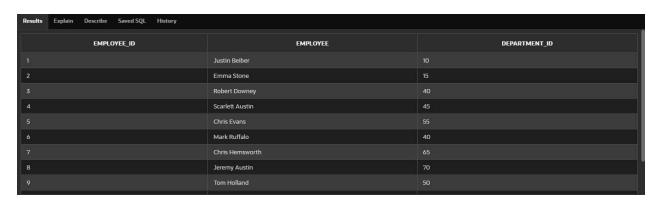
## **CREATING VIEWS**

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 , first\_name || ' ' || last\_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.

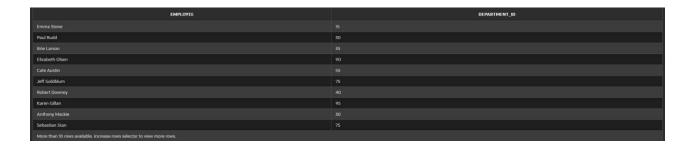
select VIEW\_NAME, TEXT from USER\_VIEWS where VIEW\_NAME = 'EMPLOYEE\_VU';



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 AS
SELECT employee\_id AS EMPNO,
employee AS EMPLOYEE,
department\_id AS DEPTNO
FROM EMPLOYEE\_VU
WHERE department\_id = 50
WITH READ ONLY;



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

Desc dept50;



7) Attempt to reassign Matos to department 80.

UPDATE EMPLOYEES
SET department\_id = 80
WHERE first 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.dept\_name AS Department,
 e.salary AS Salary,
 j.grade\_level AS Grade
FROM EMPLOYEES e
JOIN DEPARTMENT d
ON e.department\_id = d.dept\_id
JOIN JOB\_GRADE j
ON e.salary BETWEEN j.lowest\_sal AND j.highest\_sal;

