EditorEx.No.: 5

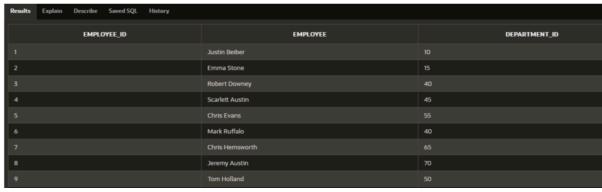
Date: 23/08/2024 CREATING VIEWS

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';
```

VIEW_NAME	TEXT
EMPLOYEE_VU	select employee_id , first_name ' ' last_name as "EMPLOYEE", department_id from employees
1 rows returned in 0.04 seconds	Download

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.

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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;

EMPLOYEE	DEPARTMENT	SALARY	GRADE
	manager	6800	
Bautista	HR	6500	
Holland	manager		
Mackie	accounts manager	4000	
Goldblum			
Goldblum	HR	3500	
Rudd	accounts manager		
Rudd	accounts manager	2500	
rows returned in 0.00 seconds Download			