231901019

KAVIYA J J

EXPNO:05

CREATING VIEWS

DATE:28.08.2024

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 employeename to EMPLOYEE.

CREATE VIEW EMPLOYEE_VU AS SELECT employee_id AS EMPNO, first_name || ' ' || last_name AS EMPLOYEE, department_idAS DEPTNO FROM EMPLOYEES;

• Display the contents of the EMPLOYEES_VU view.

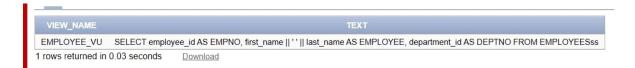
Results	Explain Describ	e Saved SC	QL History
EMPNO	EMPLOYEE	DEPTNO	ĺ
1	John Doe	30	
2	Jane Smith	20	
3	Matos Brown	50	
4	Emily Davis	40	
5	Michael Wilson	10	

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';



• Using your EMPLOYEES_VU view, enter a query to display all employees names anddepartment.

SELECT EMPLOYEE, DEPTNOFROM EMPLOYEE_VU;

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

5 rows returned in 0.00 seconds

• Create a view named DEPT50 that contains the employee number, employee last names anddepartment 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, last_name AS EMPLOYEE, department_id AS

DEPTNOFROM EMPLOYEES

WHERE department_id =

50WITH CHECK

OPTION;

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

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPT50	<u>EMPNO</u>	NUMBER	22	-	-	-	-	-	-
	EMPLOYEE	VARCHAR2	50	-	1-4	-	/	-	15
	DEPTNO	NUMBER	22	=	(7.)	- -	/	=	5
								1	- 3

• Attempt to reassign Matos to department 80.

UPDATE
DEPT50 SET
DEPTNO = 80

ORA-02291: integrity constraint (KAVIYA.V.SYS_C007586) violated - parent key not found

WHERE EMPLOYEE = 'Brown';

• 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;