

CREATING VIEWS

DATE:

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.

ANS :

```
CREATE VIEW EMPLOYEE_VU AS SELECT  
EMPLOYEE_NO,EMPLOYEE_NAMES AS  
EMPLOYEE,DEPATMENT_NUMBERS FROM employees;
```

```
select * from EMPLOYEE_VU
```

2. Display the contents of the EMPLOYEES_VU view.

ANS :

```
select * from EMPLOYEE_VU
```

EMPLOYEE_NO	EMPLOYEE	DEPATMENT_NUMBERS
2	VASANTH	200
1	VIGNESH	100
3	SANTHOSH	300

3 rows returned in 0.01 seconds [Download](#)

3. Select the view name and text from the USER_VIEWS data dictionary views.

ANS :

```
SELECT VIEW_NAME, TEXT FROM USER_VIEWS WHERE  
VIEW_NAME = 'EMPLOYEE_VU';
```

VIEW_NAME	TEXT
EMPLOYEE_VU	SELECT EMPLOYEE_NO,EMPLOYEE_NAMES AS EMPLOYEE,DEPATMENT_NUMBERS FROM employees
1 rows returned in 0.03 seconds Download	

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

```
ANS : SELECT EMPLOYEE,DEPATMENT_NUMBERS FROM  
EMPLOYEE_VU
```

EMPLOYEE	DEPATMENT_NUMBERS
VASANTH	200
VIGNESH	100
SANTHOSH	300
3 rows returned in 0.00 seconds Download	

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.

ANS : CREATE VIEW DEPT50 AS SELECT EMPLOYEE_NO AS EMPNO, EMPLOYEE_NAMES AS EMPLOYEE, DEPARTMENT_NUMBERS AS DEPTNO FROM employees where department_numbers=50;

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

ANS : DESC DEPT50

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPT50	EMPNO	NUMBER	-	10	0	-	✓	-	-
	EMPLOYEE	VARCHAR2	50	-	-	-	✓	-	-
	DEPTNO	NUMBER	-	10	0	-	✓	-	-

select * from dept50

EMPNO	EMPLOYEE	DEPTNO
6	KUMAR	50
4	BALA	50

2 rows returned in 0.01 seconds [Download](#)

7. Attempt to reassign Matos to department 80.

ANS :

update EMPLOYEES set DEPARTMENT_NUMBERS=80 where
EMPLOYEE_NAMES='MATOS';

EMPLOYEE_NO	EMPLOYEE_NAMES	DEPARTMENT_NUMBERS
2	VASANTH	200
6	KUMAR	50
1	VIGNESH	100
3	SANTHOSH	300
5	MATOS	80
4	BALA	50

6 rows returned in 0.01 seconds [Download](#)

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.

ANS :

```
CREATE VIEW SALARY_VU AS SELECT E.LAST_NAME AS Employee,  
D.DEPARTMENT_NAME AS Department,E.SALARY AS Salary,J.GRADE  
AS Grade FROM EMPLOYEES JOIN DEPARTMENTS D ON  
E.DEPARTMENT_ID = D.DEPARTMENT_ID JOIN JOB_GRADE J ON  
E.SALARY BETWEEN J.MIN_SALARY AND J.MAX_SALARY;
```