Ex.No.: 5	
Date:	CREATING VIEWS

After the completion of this exercise, students will be able to do the following:

- Describe a view
- Create, alter the definition of, and drop a view
- Retrieve data through a view
- Insert, update, and delete data through a view
- Create and use an inline view

View

A view is a logical table based on a table or another view. A view contains no data but is like a window through which data from tables can be viewed or changed. The tables on which a view is based are called base tables.

Advantages of Views

- To restrict data access
- To make complex queries easy
- To provide data independence
- To present different views of the same data

Classification of views

- 1. Simple view
- 2. Complex view

Simple	Complex
One	One or more
No	Yes
No	Yes
	Not always
	One No

Creating a view

Syntax

Use of WITH READ ONLY option.

Any attempt to perform a DML on any row in the view results in an oracle server error.

Try this code:

CREATE OR REPLACE VIEW empvu10(employee_number, employee_name.job_title)
AS SELECT employee_id, last_name, job_id
FROM employees
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 - vou AS SELECT employee - id , last _ name AS EMPLOYEE, department - id FROME MPLOYEE;

Display the contents of the EMPLOYEES_VU view.

SELECT FROM employee - ou;

3. Select the view name and text from the USER_VIEWS data dictionary views. WHERE SELECT tiell - name, Lext FROM well - bills wHERE tiell - 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-100;

Create a view named DBPT50 that contains the employee number, employee last names and department numbers for all employees in department 50.Label the view columns EMPNO. EMPLOYER and DEPTNO. Do not allow an employee to be reassigned to another department CREATE VIEW dept 50 AS SELECT imployee _ id AS EMPNO, lost _ name AS EMPLOYEE, department_id AS DEPTNO from amployee's where department _ id = 50 WITH CHECK OPTION;

Display the structure and contents of the DEPT50 view.

DESC dept 50; SELECT* from dept 50;

UPDATE dept 50 SET dept no = 80 WHERE employee = 'mator';

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

CREATE VIEW galary - 104 A & SELE CT e-last - name AS employee, department, e-salary AS salary, i department - name AS ornade from employees e department - id = d. department - salary AS salary, 501N department done - department - id = d. department - salary AS salary, 501N job - grades i on e-salary BETWEEN j. lowest-sal

AND j. righest-soli

Evaluation Procedure	Marks awarded
Query(5)	5
Execution (5)	5
Viva(5)	29
Total (15)	14
Faculty Signature	