

```
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\_VU AS

select employee\_id, employee\_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 (EMPNO, EMPLOYEE, DEPTNO) AS  
Select employee_id, last_name, department_id from  
EMPLOYEES  
Where department_id = 50  
With check option constraint DEPT50_CHECK;
```

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

```
DESCRIBE DEPT50;  
Select * from DEPT50;
```

7. Attempt to reassign Matos to department 80.

```
Update EMPLOYEES SET department_id = 80  
Where last_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.department_name AS department from  
EMPLOYEE e
```

```
JOIN DEPARTMENTS d ON e.department_id = d.department_id
```

```
JOIN Job-grade g ON e.salary BETWEEN g.lowest-salary  
AND g.highest-salary;
```

Evaluation Procedure	Marks awarded
Query(5)	5
Execution (5)	5
Viva(5)	5
Total (15)	15
Faculty Signature	RJL 30/9/05