

## Exp-05

## CREATING VIEWS

```
CREATE OR REPLACE VIEW EMPLOYEE_VU AS
```

```
SELECT
```

```
    EMPLOYEE_NUMBER,
```

```
    EMPLOYEE_NAME AS EMPLOYEE,
```

```
    DEPARTMENT_NUMBER
```

```
FROM EMPLOYEES;
```

```
SELECT * FROM EMPLOYEE_VU;
```

```
SELECT view_name, text
```

```
FROM user_views;
```

```
SELECT EMPLOYEE, department_id
```

```
FROM EMPLOYEE_VU;
```

```
SELECT EMPLOYEE, department_id AS DEPARTMENT
```

```
FROM EMPLOYEE_VU;
```

```
CREATE OR REPLACE VIEW DEPT50 AS
```

```
SELECT
```

```
    employee_id AS EMPNO,
```

```
    last_name AS EMPLOYEE,
```

```
    department_id AS DEPTNO
```

```
FROM EMPLOYEES
```

```
WHERE department_id = 50
```

```
WITH CHECK OPTION;
```

```
DESC DEPT50;
```

```
or
```

```
SELECT column_name, data_type, data_length
```

```
FROM user_tab_columns
WHERE table_name = 'DEPT50';

or

SELECT * FROM DEPT50;
```

```
UPDATE DEPT50
SET DEPTNO = 80
WHERE EMPLOYEE = 'Matos';
```

```
CREATE OR REPLACE 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 e
JOIN DEPARTMENTS d ON e.department_id = d.department_id
JOIN JOB_GRADE j ON e.salary BETWEEN j.lowest_sal AND j.highest_sal;
```