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| Roll Number | 21SW085 |
| Section # | 3rd or III |
| Lab # | 9th |
| Topic # | Views |

**Task:**

1. Create a view call employee\_vu based on the employee numbers, employee names and department numbers from the emp table. Change the heading for the ename to EMPLOYEE.
2. Display the contents of the employee\_vu view.
3. Create a view called SALARY\_VU based on the employee names, salaries and salary grades for all employees. Use the EMP and SALGRADE tables. Label the columns Emploee, salary and grade respectively.
4. Display the structure and contents of the DEPT50 view.
5. Test your view by reassigning “Levi Mario” (employee name) to department 80.
6. Create an index on the deptno of the Emp table. Drop the newly created index.
7. Create an index on the job and sal of the Emp table. Drop the newly created index.

**Solutions:**

1. CREATE VIEW employee\_vu AS SELECT empno, ename AS employee, deptno FROM emp;
2. SELECT \* FROM employee\_vu;
3. CREATE VIEW salary\_vu AS SELECT e.ename AS employee, e.sal AS salary, s.grade FROM emp e, salgrade s WHERE e.sal BETWEEN s.losal AND s.hisal;

DESCRIBE dept50;

SELECT \* FROM dept50;

1. UPDATE emp SET deptno = 80 WHERE ename = 'Levi Mario';
2. CREATE INDEX emp\_dept\_idx ON emp(deptno);

DROP INDEX emp\_dept\_idx;

1. CREATE INDEX emp\_job\_sal\_idx ON emp(job, sal);

DROP INDEX emp\_job\_sal\_idx;