

## DBMS LAB SESSIONAL (03-04-2025)

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**Q1)**

```
SQL> CREATE USER Shrivastava23052071 IDENTIFIED BY Bhavya;  
User created.
```

```
SQL> GRANT ALL PRIVILEGES TO Shrivastava23052071;  
Grant succeeded.
```

**Q2)**

```
SQL> CREATE TABLE emp_odd_23052071 (  
2     f_name_071 VARCHAR(50),  
3     l_name_071 VARCHAR(50),  
4     dept_no_071 INT,  
5     salary_071 INT,  
6     PRIMARY KEY (f_name_071, l_name_071)  
7 );  
  
Table created.
```

**Q3)**

```
SQL> CREATE TABLE dept_23052071 (  
2     dept_no_071 INT PRIMARY KEY,  
3     dept_name_071 VARCHAR(50),  
4     dept_loc_071 VARCHAR(50)  
5 );  
  
Table created.
```

**Q4)**

```
SQL> ALTER TABLE emp_odd_23052071  
2 ADD CONSTRAINT fk_dept FOREIGN KEY (dept_no_071) REFERENCES dept_23052071(dept_no_071);  
Table altered.
```

### Q5)

```
SQL> INSERT INTO dept_23052071 (dept_no_071, dept_name_071, dept_loc_071)
  2  VALUES (1, 'Production', 'Nagpur');

1 row created.

SQL>
SQL> INSERT INTO dept_23052071 (dept_no_071, dept_name_071, dept_loc_071)
  2  VALUES (2, 'Sales', 'Mumbai');

1 row created.

SQL>
SQL> -- Now insert into emp_odd_23052071
SQL> INSERT INTO emp_odd_23052071 (f_name_071, l_name_071, dept_no_071, salary_071)
  2  VALUES ('Atul', 'Yadav', 1, 50000);

1 row created.

SQL>
SQL> INSERT INTO emp_odd_23052071 (f_name_071, l_name_071, dept_no_071, salary_071)
  2  VALUES ('Bipasa', 'Sharma', 1, 47500);

1 row created.

SQL>
SQL> INSERT INTO emp_odd_23052071 (f_name_071, l_name_071, dept_no_071, salary_071)
  2  VALUES ('Sunil', 'Sahoo', 2, 25000);

1 row created.
```

### Q6)

```
SQL> UPDATE dept_23052071
  2  SET dept_loc_071 = 'Delhi'
  3  WHERE dept_name_071 = 'Sales';

1 row updated.
```

### Q7)

```
SQL> SELECT d.dept_name_071, AVG(e.salary_071) AS avg_salary
  2  FROM emp_odd_23052071 e
  3  JOIN dept_23052071 d ON e.dept_no_071 = d.dept_no_071
  4  GROUP BY d.dept_name_071;
```

DEPT_NAME_071	AVG_SALARY
Production	48750
Sales	25000

### Q8)

```
SQL> DELETE FROM emp_odd_23052071
  2  WHERE dept_no_071 = (SELECT dept_no_071 FROM dept_23052071 WHERE dept_name_071 = 'Sales');

1 row deleted.
```

Q9)

```
SQL> CREATE VIEW production_emp_23052071 AS
  2  SELECT f_name_071, l_name_071, salary_071
  3  FROM emp_odd_23052071
  4  WHERE dept_no_071 = (SELECT dept_no_071 FROM dept_23052071 WHERE dept_name_071 = 'Production');

View created.
```

Q10)

```
SQL> ALTER TABLE dept_23052071
  2  RENAME COLUMN dept_loc_071 TO head_office_071;

Table altered.
```

Q11)

```
SQL> SELECT constraint_name
  2  FROM user_constraints
  3  WHERE table_name = 'EMP_ODD_23052071'
  4  AND constraint_type = 'P';
```

```
CONSTRAINT_NAME
```

```
-----
```

```
SYS_C007825
```

```
SQL> ALTER TABLE emp_odd_23052071
  2  DROP CONSTRAINT SYS_C007825;
```

```
Table altered.
```