**COURT CASES DATABASE**

**Table Creation and Insertion:-**

CREATE TABLE Case ( Case\_ID INT PRIMARY KEY, Title VARCHAR(200), Case\_Type VARCHAR(50), Filing\_Date DATE, Court\_ID INT, Judge\_ID INT);

Table created.

INSERT INTO Case VALUES (301, 'Rajiv vs State of Tamil Nadu', 'Criminal', '10-jan-2020', 201, 401);

1 row created.

INSERT INTO Case VALUES(302, 'Priya vs ABC Corporation', 'Civil', '21-FEB-2021', 202, 402);

1 row created.

INSERT INTO Case VALUES(303, 'State of Maharashtra vs Suresh', 'Criminal', '18-MAR-2021', 203, 403);

1 row created.

INSERT INTO Case VALUES(304, 'Sunil vs Anjali', 'Family', '05-APR-2022', 204, 404);

1 row created.

INSERT INTO Case VALUES(305, 'Bharat Traders vs Esha Ltd', 'Commercial', '20-MAY-2022', 205, 405);

1 row created.

INSERT INTO Case VALUES(306, 'Meena vs Sun Pharma', 'Labor', '11-JUN-2023', 206, 406);

1 row created.

INSERT INTO Case VALUES(307, 'Ali vs Fatima', 'Divorce', '01-JUL-2023', 207, 407);

1 row created.

INSERT INTO Case VALUES(308, 'XYZ Ltd vs Tax Dept.', 'Tax', '15-AUG-2024', 208, 408);

1 row created.

INSERT INTO Case VALUES(309, 'State of Odisha vs Ramesh', 'Criminal', '07-SEP-2024', 209, 409);

1 row created.

INSERT INTO Case VALUES(310, 'Kumar vs KanchaIna', 'Family', '22-OCT-2025', 210, 410);

1 row created.

CREATE TABLE Court (Court\_ID INT PRIMARY KEY, Court\_Name VARCHAR(100), Location VARCHAR(100),Type VARCHAR(50),Case\_ID INT );

Table created.

INSERT INTO Court VALUES (201, 'Madras High Court', 'Chennai', 'High Court', 301);

1 row created.

INSERT INTO Court VALUES (202, 'Chennai Civil Court', 'Chennai', 'Civil Court', 302);

1 row created.

INSERT INTO Court VALUES (203, 'Mumbai Sessions Court', 'Mumbai', 'Sessions Court', 303);

1 row created.

INSERT INTO Court VALUES (204, 'Delhi Family Court', 'Delhi', 'Family Court', 304);

1 row created.

INSERT INTO Court VALUES (205, 'Ahmedabad Commercial Court', 'Ahmedabad', 'Commercial Court', 305);

1 row created.

INSERT INTO Court VALUES (206, 'Pune Labor Court', 'Pune', 'Labor Court', 306);

1 row created.

INSERT INTO Court VALUES (207, 'Hyderabad Family Court', 'Hyderabad', 'Family Court', 307);

1 row created.

INSERT INTO Court VALUES (208, 'Kolkata Tax Court', 'Kolkata', 'Tax Court', 308);

1 row created.

INSERT INTO Court VALUES (209, 'Bhubaneswar Criminal Court', 'Bhubaneswar', 'Criminal Court', 309);

1 row created.

INSERT INTO Court VALUES (210, 'Coimbatore Family Court', 'Coimbatore', 'Family Court', 310);

1 row created.

CREATE TABLE Judge (Judge\_ID INT PRIMARY KEY,Judge\_Name VARCHAR(100),Designation VARCHAR(50),Court\_ID INT,Case\_ID INT);

Table created.

INSERT INTO Judge VALUES (401, 'Justice R. Subramanian', 'High Court Judge', 201, 301);

1 row created.

INSERT INTO Judge VALUES (402, 'Justice Priya Menon', 'Civil Judge', 202, 302);

1 row created.

INSERT INTO Judge VALUES (403, 'Justice Dinesh Patil', 'Sessions Judge', 203, 303);

1 row created.

INSERT INTO Judge VALUES (404, 'Justice Anita Sharma', 'Family Judge', 204, 304);

1 row created.

INSERT INTO Judge VALUES (405, 'Justice K. Suresh', 'Commercial Judge', 205, 305);

1 row created.

INSERT INTO Judge VALUES (406, 'Justice Ramesh Iyer', 'Labor Judge', 206, 306);

1 row created.

INSERT INTO Judge VALUES (407, 'Justice Leela Devi', 'Family Judge', 207, 307);

1 row created.

INSERT INTO Judge VALUES (408, 'Justice Aslam Khan', 'Tax Judge', 208, 308);

1 row created.

INSERT INTO Judge VALUES (409, 'Justice Binod Das', 'Criminal Judge', 209, 309);

1 row created.

INSERT INTO Judge VALUES (410, 'Justice Kanchana Rao', 'Family Judge', 210, 310);

1 row created.

CREATE TABLE Lawyer (Lawyer\_ID INT PRIMARY KEY,Lawyer\_Name VARCHAR(100), Specialization VARCHAR(100), Contact\_Info VARCHAR(100), Case\_ID INT);

Table created.

INSERT INTO Lawyer VALUES (501, 'Adv. Arjun Mehta', 'Criminal Law', 'arjunmehta@gmail.com', 301);

1 row created.

INSERT INTO Lawyer VALUES (502, 'Adv. Sneha Nair', 'Civil Litigation', 'snehanair@lawfirm.com', 302);

1 row created.

INSERT INTO Lawyer VALUES (503, 'Adv. Ravi Deshmukh', 'Criminal Law', 'ravideshmukh@courtmail.com', 303);

1 row created.

INSERT INTO Lawyer VALUES (504, 'Adv. Neha Kapoor', 'Family Law', 'nehakapoor@lawchambers.com', 304);

1 row created.

INSERT INTO Lawyer VALUES (505, 'Adv. Rohit Jain', 'Commercial Law', 'rohitjain@firm.co.in', 305);

1 row created.

INSERT INTO Lawyer VALUES (506, 'Adv. Deepika Rao', 'Labor Law', 'deepikarao@legal.org', 306);

1 row created.

INSERT INTO Lawyer VALUES (507, 'Adv. Imran Siddiqui', 'Family Law', 'imransiddiqui@law.co', 307);

1 row created.

INSERT INTO Lawyer VALUES (508, 'Adv. Swati Joshi', 'Tax Law', 'swatijoshi@taxfirm.com', 308);

1 row created.

INSERT INTO Lawyer VALUES (509, 'Adv. Raghav Patnaik', 'Criminal Law', 'raghavp@justice.org', 309);

1 row created.

INSERT INTO Lawyer VALUES (510, 'Adv. Kiran Bedi', 'Family Law', 'kiranbedi@familylaw.in', 310);

1 row created.

CREATE TABLE Party ( Party\_ID INT PRIMARY KEY,Party\_Name VARCHAR(100), Role VARCHAR(50),Lawyer\_ID INT,Case\_ID INT);

Table create

INSERT INTO Party VALUES (601, 'Rajiv', 'Plaintiff', 501, 301);

1 row created.

INSERT INTO Party VALUES (602, 'State of Tamil Nadu', 'Defendant', 501, 301);

1 row created.

INSERT INTO Party VALUES (603, 'Priya', 'Plaintiff', 502, 302);

1 row created.

INSERT INTO Party VALUES (604, 'ABC Corporation', 'Defendant', 502, 302);

1 row created.

INSERT INTO Party VALUES (605, 'Sunil', 'Petitioner', 504, 304);

1 row created.

INSERT INTO Party VALUES (606, 'Anjali', 'Respondent', 504, 304);

1 row created.

INSERT INTO Party VALUES (607, 'Ali', 'Petitioner', 507, 307);

1 row created.

INSERT INTO Party VALUES (608, 'Fatima', 'Respondent', 507, 307);

1 row created.

INSERT INTO Party VALUES (609, 'Kumar', 'Petitioner', 510, 310);

1 row created.

INSERT INTO Party VALUES (610, 'Kanchana', 'Respondent', 510, 310);

1 row created.

CREATE TABLE Hearing (Hearing\_ID INT PRIMARY KEY, Hearing\_Date DATE, Description VARCHAR2(200), Outcome VARCHAR(200), Case\_ID INT);

Table created.

INSERT INTO Hearing VALUES (701, TO\_DATE('15-JAN-2020', 'DD-MON-YYYY'), 'First hearing - charges framed', 'Adjourned', 301);

1 row created.

INSERT INTO Hearing VALUES (702, TO\_DATE('20-FEB-2021', 'DD-MON-YYYY'), 'Initial arguments presented', 'Pending', 302);

1 row created.

INSERT INTO Hearing VALUES (703, TO\_DATE('25-MAR-2021', 'DD-MON-YYYY'), 'Witness statements recorded', 'In Progress', 303);

1 row created.

INSERT INTO Hearing VALUES (704, TO\_DATE('10-APR-2022', 'DD-MON-YYYY'), 'Counseling session', 'Reconciliation Failed', 304);

1 row created.

INSERT INTO Hearing VALUES (705, TO\_DATE('18-MAY-2022', 'DD-MON-YYYY'), 'Cross-examination', 'Ongoing', 305);

1 row created.

INSERT INTO Hearing VALUES (706, TO\_DATE('15-JUN-2023', 'DD-MON-YYYY'), 'Labor dispute negotiation', 'Partial Settlement', 306);

1 row created.

INSERT INTO Hearing VALUES (707, TO\_DATE('05-JUL-2023', 'DD-MON-YYYY'), 'Final arguments heard', 'Reserved for Judgment', 307);

1 row created.

INSERT INTO Hearing VALUES (708, TO\_DATE('20-AUG-2024', 'DD-MON-YYYY'), 'Tax documents reviewed', 'Further Hearing Scheduled', 308);

1 row created.

INSERT INTO Hearing VALUES (709, TO\_DATE('12-SEP-2024', 'DD-MON-YYYY'), 'Evidence submitted by prosecution', 'Adjourned', 309);

1 row created.

INSERT INTO Hearing VALUES (710, TO\_DATE('30-OCT-2025', 'DD-MON-YYYY'), 'Final order pronounced', 'Judgment Passed', 310);

1 row created.

CREATE TABLE Document (Document\_ID INT PRIMARY KEY, Document\_Name VARCHAR(100), Document\_Type VARCHAR(50), Submission\_Date DATE, Case\_ID INT);

Table created.

INSERT INTO Document VALUES (801, 'FIR Report', 'Evidence', TO\_DATE('12-JAN-2020', 'DD-MON-YYYY'), 301);

1 row created.

INSERT INTO Document VALUES (802, 'Contract Agreement', 'Legal', TO\_DATE('22-FEB-2021', 'DD-MON-YYYY'), 302);

1 row created.

INSERT INTO Document VALUES (803, 'Witness Statement', 'Evidence', TO\_DATE('26-MAR-2021', 'DD-MON-YYYY'), 303);

1 row created.

INSERT INTO Document VALUES (804, 'Marriage Certificate', 'Personal', TO\_DATE('12-APR-2022', 'DD-MON-YYYY'), 304);

1 row created.

INSERT INTO Document VALUES (805, 'Business License', 'Commercial', TO\_DATE('20-MAY-2022', 'DD-MON-YYYY'), 305);

1 row created.

INSERT INTO Document VALUES (806, 'Employment Record', 'Labor', TO\_DATE('17-JUN-2023', 'DD-MON-YYYY'), 306);

1 row created.

INSERT INTO Document VALUES (807, 'Divorce Petition', 'Legal', TO\_DATE('07-JUL-2023', 'DD-MON-YYYY'), 307);

1 row created.

INSERT INTO Document VALUES (808, 'Audit Report', 'Financial', TO\_DATE('23-AUG-2024', 'DD-MON-YYYY'), 308);

1 row created.

INSERT INTO Document VALUES (809, 'Forensic Report', 'Evidence', TO\_DATE('14-SEP-2024', 'DD-MON-YYYY'), 309);

1 row created.

INSERT INTO Document VALUES (810, 'Custody Agreement', 'Family', TO\_DATE('01-NOV-2025', 'DD-MON-YYYY'), 310);

**CONSTRAINTS COMMANDS:-**

**Add FOREIGN KEY:**

SQL>ALTER TABLE Case ADD CONSTRAINT fk\_case\_court FOREIGN KEY (Court\_ID) REFERENCES Court(Court\_ID);

TABLE ALTERED

SQL>ALTER TABLE Case ADD CONSTRAINT fk\_case\_judge FOREIGN KEY (Judge\_ID) REFERENCES Judge(Judge\_ID);

TABLE ALTERED

SQL>ALTER TABLE Court ADD CONSTRAINT fk\_court\_case FOREIGN KEY (Case\_ID) REFERENCES Case(Case\_ID);

TABLE ALTERED

SQL>ALTER TABLE Judge ADD CONSTRAINT fk\_judge\_court FOREIGN KEY (Court\_ID) REFERENCES Court(Court\_ID);

TABLE ALTERED

SQL>ALTER TABLE Judge ADD CONSTRAINT fk\_judge\_case FOREIGN KEY (Case\_ID) REFERENCES Case(Case\_ID);

TABLE ALTERED

SQL>ALTER TABLE Lawyer ADD CONSTRAINT fk\_lawyer\_case FOREIGN KEY (Case\_ID) REFERENCES Case(Case\_ID);

TABLE ALTERED

SQL>ALTER TABLE Party ADD CONSTRAINT fk\_party\_lawyer FOREIGN KEY (Lawyer\_ID) REFERENCES Lawyer(Lawyer\_ID);

TABLE ALTERED

SQL>ALTER TABLE Party ADD CONSTRAINT fk\_party\_case FOREIGN KEY (Case\_ID) REFERENCES Case(Case\_ID);

TABLE ALTERED

SQL>ALTER TABLE Hearing ADD CONSTRAINT fk\_hearing\_case FOREIGN KEY (Case\_ID) REFERENCES Case(Case\_ID);

TABLE ALTERED

SQL>ALTER TABLE Document ADD CONSTRAINT fk\_document\_case FOREIGN KEY (Case\_ID) REFERENCES Case(Case\_ID);

TABLE ALTERED

**NOT NULL:**

SQL>ALTER TABLE Judge MODIFY Judge\_Name VARCHAR(100) NOT NULL;

TABLE ALTERED

**UNIQUE:**

SQL>ALTER TABLE Lawyer ADD CONSTRAINT unique\_contact UNIQUE (Contact\_Info);

TABLE ALTERED

**CHECK:**

SQL>ALTER TABLE Case ADD CONSTRAINT chk\_case\_type CHECK (Case\_Type IN ('Civil', 'Criminal', 'Family', 'Labor', 'Tax', 'Commercial', 'Divorce'));

TABLE ALTERED

**TCL COMMAND:-**

SQL>COMMIT;

**DDL COMMANDS:-**

### **Add a New Column to a Table**

SQL>ALTER TABLE Lawyer ADD Bar\_Registration\_No VARCHAR(20);

TABLE ALTERED

**Rename an Existing Column**

SQL>ALTER TABLE Case RENAME COLUMN Case\_Type TO Case\_Category;

TABLE ALTERED

### **Modify a Column Data Type**

SQL>ALTER TABLE Court MODIFY Location VARCHAR(150);

TABLE ALTERED

### **Set a Default Value for a Column**

SQL>ALTER TABLE Judge MODIFY Designation VARCHAR(50) DEFAULT 'Judge';

TABLE ALTERED

### **Drop a Column from a Table**

SQL>ALTER TABLE Party DROP COLUMN Role;

TABLE DROPPED

### **Drop a Table**

SQL>DROP TABLE Hearing;

TABLE DROPPED

**Rename a Table**

SQL>RENAME Document TO Case\_Documents;

Table renamed.

**Truncate Table**

SQL>TRUNCATE Table Court;

**DML COMMANDS:-**

**Change judge designation**

SQL>UPDATE Judge SET Designation = 'Senior Civil Judge' WHERE Judge\_ID = 402;

1 row updated.

**Update hearing outcome**

SQL>UPDATE Hearing SET Outcome = 'Judgment Reserved' WHERE Hearing\_ID = 702;

1 row updated.

**Correct case title**

SQL>UPDATE Case SET Title = 'Priya vs ABC Ltd' WHERE Case\_ID = 302;

1 row updated.

**Change court location**

SQL>UPDATE Court SET Location = 'New Chennai' WHERE Court\_ID = 202;

1 row updated.

**Delete a document**

SQL>DELETE FROM CASE\_DOCUMENTS WHERE Document\_ID = 810;

1 row deleted.

**View all judges**

SQL>SELECT \* FROM Judge;

JUDGE\_ID JUDGE\_NAME DESIGNATION COURT\_ID CASE\_ID

-------- ------------------------- -------------------- -------- -------

401 Justice R. Subramanian High Court Judge 201 301

402 Justice Priya Menon Senior Civil Judge 202 302

403 Justice Dinesh Patil Sessions Judge 203 303

404 Justice Anita Sharma Family Judge 204 304

405 Justice K. Suresh Commercial Judge 205 305

406 Justice Ramesh Iyer Labor Judge 206 306

407 Justice Leela Devi Family Judge 207 307

408 Justice Aslam Khan Tax Judge 208 308

409 Justice Binod Das Criminal Judge 209 309

410 Justice Kanchana Rao Family Judge 210 310

10 rows selected.

**View case details of 'Criminal' type**

SQL>SELECT \* FROM Case WHERE Case\_Category= 'Criminal';

CASE\_ID TITLE CASE\_CATEGORY FILING\_DATE COURT\_ID

------- ------------------------------ --------------- ------------ --------

JUDGE\_ID

--------

301 Rajiv vs State of Tamil Nadu Criminal 10-JAN-20 201

401

303 State of Maharashtra vs Suresh Criminal 18-MAR-21 203

403

309 State of Odisha vs Ramesh Criminal 07-SEP-24 209

409

**SET OPERATORS:-**

**UNION:**

SQL>SELECT Title FROM Case WHERE Case\_Category = 'Criminal' UNION SELECT Title FROM Case WHERE Case\_Category = 'Family';

TITLE

--------------------------------------------------------------------------------

Rajiv vs State of Tamil Nadu

State of Maharashtra vs Suresh

State of Odisha vs Ramesh

Sunil vs Anjali

Kumar vs Kanchana

**UNION ALL:**

SQL>SELECT Case\_Category FROM Case UNION ALL SELECT Document\_Type FROM Case\_Documents;

CASE\_CATEGORY

--------------------------------------------------

Criminal

Civil

Criminal

Family

Commercial

Labor

Divorce

Tax

Criminal

Family

Evidence

CASE\_CATEGORY

--------------------------------------------------

Legal

Evidence

Personal

Commercial

Labor

Legal

Financial

Evidence

19 rows selected.

**INTERSECT:**

SQL>SELECT Case\_Category FROM Case INTERSECT SELECT Document\_Type FROM Case\_Documents;

CASE\_CATEGORY

--------------------------------------------------

Commercial

Labor

**JOINS:-**

**1. INNER JOIN**: List all case titles with their court names and judges

SELECT c.Case\_ID, c.Title, ct.Court\_Name, j.Judge\_Name FROM Case c INNER JOIN Court ct ON c.Court\_ID = ct.Court\_ID INNER JOIN Judge j ON c.Judge\_ID = j.Judge\_ID;

CASE\_ID

----------

TITLE

--------------------------------------------------------------------------------

COURT\_NAME

--------------------------------------------------------------------------------

JUDGE\_NAME

--------------------------------------------------------------------------------

301

Rajiv vs State of Tamil Nadu

Madras High Court

Justice R. Subramanian

CASE\_ID

----------

TITLE

--------------------------------------------------------------------------------

COURT\_NAME

--------------------------------------------------------------------------------

JUDGE\_NAME

--------------------------------------------------------------------------------

302

Priya vs ABC Corporation

Chennai Civil Court

Justice Priya Menon

CASE\_ID

----------

TITLE

--------------------------------------------------------------------------------

COURT\_NAME

--------------------------------------------------------------------------------

JUDGE\_NAME

--------------------------------------------------------------------------------

303

State of Maharashtra vs Suresh

Mumbai Sessions Court

Justice Dinesh Patil

CASE\_ID

----------

TITLE

--------------------------------------------------------------------------------

COURT\_NAME

--------------------------------------------------------------------------------

JUDGE\_NAME

--------------------------------------------------------------------------------

304

Sunil vs Anjali

Delhi Family Court

Justice Anita Sharma

CASE\_ID

----------

TITLE

--------------------------------------------------------------------------------

COURT\_NAME

--------------------------------------------------------------------------------

JUDGE\_NAME

--------------------------------------------------------------------------------

305

Bharat Traders vs Esha Ltd

Ahmedabad Commercial Court

Justice K. Suresh

CASE\_ID

----------

TITLE

--------------------------------------------------------------------------------

COURT\_NAME

--------------------------------------------------------------------------------

JUDGE\_NAME

--------------------------------------------------------------------------------

306

Meena vs Sun Pharma

Pune Labor Court

Justice Ramesh Iyer

CASE\_ID

----------

TITLE

--------------------------------------------------------------------------------

COURT\_NAME

--------------------------------------------------------------------------------

JUDGE\_NAME

--------------------------------------------------------------------------------

307

Ali vs Fatima

Hyderabad Family Court

Justice Leela Devi

CASE\_ID

----------

TITLE

--------------------------------------------------------------------------------

COURT\_NAME

--------------------------------------------------------------------------------

JUDGE\_NAME

--------------------------------------------------------------------------------

308

XYZ Ltd vs Tax Dept.

Kolkata Tax Court

Justice Aslam Khan

CASE\_ID

----------

TITLE

--------------------------------------------------------------------------------

COURT\_NAME

--------------------------------------------------------------------------------

JUDGE\_NAME

--------------------------------------------------------------------------------

309

State of Odisha vs Ramesh

Bhubaneswar Criminal Court

Justice Binod Das

CASE\_ID

----------

TITLE

--------------------------------------------------------------------------------

COURT\_NAME

--------------------------------------------------------------------------------

JUDGE\_NAME

--------------------------------------------------------------------------------

310

Kumar vs Kanchana

Coimbatore Family Court

Justice Kanchana Rao

10 rows selected.

**2. LEFT JOIN:**

SQL>SELECT Case.Case\_ID, Case.Title, Judge.Judge\_Name, Judge.Designation FROM Case LEFT JOIN Judge ON Case.Judge\_ID = Judge.Judge\_ID;

CASE\_ID TITLE JUDGE\_NAME

------- ------------------------------ -------------------------

DESIGNATION

--------------------

301 Rajiv vs State of Tamil Nadu Justice R. Subramanian

High Court Judge

302 Priya vs ABC Corporation Justice Priya Menon

Senior Civil Judge

303 State of Maharashtra vs Suresh Justice Dinesh Patil

Sessions Judge

CASE\_ID TITLE JUDGE\_NAME

------- ------------------------------ -------------------------

DESIGNATION

--------------------

304 Sunil vs Anjali Justice Anita Sharma

Family Judge

305 Bharat Traders vs Esha Ltd Justice K. Suresh

Commercial Judge

306 Meena vs Sun Pharma Justice Ramesh Iyer

Labor Judge

CASE\_ID TITLE JUDGE\_NAME

------- ------------------------------ -------------------------

DESIGNATION

--------------------

307 Ali vs Fatima Justice Leela Devi

Family Judge

308 XYZ Ltd vs Tax Dept. Justice Aslam Khan

Tax Judge

309 State of Odisha vs Ramesh Justice Binod Das

Criminal Judge

CASE\_ID TITLE JUDGE\_NAME

------- ------------------------------ -------------------------

DESIGNATION

--------------------

310 Kumar vs Kanchana Justice Kanchana Rao

Family Judge

10 rows selected.

**3. RIGHT JOIN:**

SQL>SELECT l.Lawyer\_Name, l.Specialization, c.Title FROM Lawyer l RIGHT JOIN Case c ON l.Case\_ID = c.Case\_ID;

LAWYER\_NAME SPECIALIZATION TITLE

-------------------- -------------------- ------------------------------

Adv. Arjun Mehta Criminal Law Rajiv vs State of Tamil Nadu

Adv. Sneha Nair Civil Litigation Priya vs ABC Corporation

Adv. Ravi Deshmukh Criminal Law State of Maharashtra vs Suresh

Adv. Neha Kapoor Family Law Sunil vs Anjali

Adv. Rohit Jain Commercial Law Bharat Traders vs Esha Ltd

Adv. Deepika Rao Labor Law Meena vs Sun Pharma

Adv. Imran Siddiqui Family Law Ali vs Fatima

Adv. Swati Joshi Tax Law XYZ Ltd vs Tax Dept.

Adv. Raghav Patnaik Criminal Law State of Odisha vs Ramesh

Adv. Kiran Bedi Family Law Kumar vs Kanchana

10 rows selected.

**4. FULL OUTER JOIN:**

SQL> SELECT Case.Case\_ID, Case.Title, Hearing.Hearing\_Date, Hearing.Outcome FROM Case FULL OUTER JOIN Hearing ON Case.Case\_ID = Hearing.Case\_ID;

CASE\_ID TITLE HEARING\_DATE

------- ------------------------------ ------------

OUTCOME

--------------------------------------------------------------------------------

301 Rajiv vs State of Tamil Nadu 15-JAN-20

Adjourned

302 Priya vs ABC Corporation 20-FEB-21

Judgment Reserved

303 State of Maharashtra vs Suresh 25-MAR-21

In Progress

CASE\_ID TITLE HEARING\_DATE

------- ------------------------------ ------------

OUTCOME

--------------------------------------------------------------------------------

304 Sunil vs Anjali 10-APR-22

Reconciliation Failed

305 Bharat Traders vs Esha Ltd 18-MAY-22

Ongoing

306 Meena vs Sun Pharma 15-JUN-23

Partial Settlement

CASE\_ID TITLE HEARING\_DATE

------- ------------------------------ ------------

OUTCOME

--------------------------------------------------------------------------------

307 Ali vs Fatima 05-JUL-23

Reserved for Judgment

308 XYZ Ltd vs Tax Dept. 20-AUG-24

Further Hearing Scheduled

309 State of Odisha vs Ramesh 12-SEP-24

Adjourned

CASE\_ID TITLE HEARING\_DATE

------- ------------------------------ ------------

OUTCOME

--------------------------------------------------------------------------------

310 Kumar vs Kanchana 30-OCT-25

Judgment Passed

10 rows selected.

**5. SELF JOIN:** Find pairs of cases handled by the same judge

SELECT c1.Case\_ID AS Case1, c2.Case\_ID AS Case2, j.Judge\_Name FROM Case c1 JOIN Case c2 ON c1.Judge\_ID = c2.Judge\_ID AND c1.Case\_ID < c2.Case\_ID JOIN Judge j ON c1.Judge\_ID = j.Judge\_ID;

NO ROWS SELECTED.

**6. CROSS JOIN:** All combinations of lawyers and judges

SQL>SELECT l.Lawyer\_Name, j.Judge\_Name FROM Lawyer l CROSS JOIN Judge j;

LAWYER\_NAME JUDGE\_NAME

-------------------- -------------------------

Adv. Arjun Mehta Justice R. Subramanian

Adv. Arjun Mehta Justice Priya Menon

Adv. Arjun Mehta Justice Dinesh Patil

Adv. Arjun Mehta Justice Anita Sharma

Adv. Arjun Mehta Justice K. Suresh

Adv. Arjun Mehta Justice Ramesh Iyer

Adv. Arjun Mehta Justice Leela Devi

Adv. Arjun Mehta Justice Aslam Khan

Adv. Arjun Mehta Justice Binod Das

Adv. Arjun Mehta Justice Kanchana Rao

Adv. Sneha Nair Justice R. Subramanian

LAWYER\_NAME JUDGE\_NAME

-------------------- -------------------------

Adv. Sneha Nair Justice Priya Menon

Adv. Sneha Nair Justice Dinesh Patil

Adv. Sneha Nair Justice Anita Sharma

Adv. Sneha Nair Justice K. Suresh

Adv. Sneha Nair Justice Ramesh Iyer

Adv. Sneha Nair Justice Leela Devi

Adv. Sneha Nair Justice Aslam Khan

Adv. Sneha Nair Justice Binod Das

Adv. Sneha Nair Justice Kanchana Rao

Adv. Ravi Deshmukh Justice R. Subramanian

Adv. Ravi Deshmukh Justice Priya Menon

LAWYER\_NAME JUDGE\_NAME

-------------------- -------------------------

Adv. Ravi Deshmukh Justice Dinesh Patil

Adv. Ravi Deshmukh Justice Anita Sharma

Adv. Ravi Deshmukh Justice K. Suresh

Adv. Ravi Deshmukh Justice Ramesh Iyer

Adv. Ravi Deshmukh Justice Leela Devi

Adv. Ravi Deshmukh Justice Aslam Khan

Adv. Ravi Deshmukh Justice Binod Das

Adv. Ravi Deshmukh Justice Kanchana Rao

Adv. Neha Kapoor Justice R. Subramanian

Adv. Neha Kapoor Justice Priya Menon

Adv. Neha Kapoor Justice Dinesh Patil

LAWYER\_NAME JUDGE\_NAME

-------------------- -------------------------

Adv. Neha Kapoor Justice Anita Sharma

Adv. Neha Kapoor Justice K. Suresh

Adv. Neha Kapoor Justice Ramesh Iyer

Adv. Neha Kapoor Justice Leela Devi

Adv. Neha Kapoor Justice Aslam Khan

Adv. Neha Kapoor Justice Binod Das

Adv. Neha Kapoor Justice Kanchana Rao

Adv. Rohit Jain Justice R. Subramanian

Adv. Rohit Jain Justice Priya Menon

Adv. Rohit Jain Justice Dinesh Patil

Adv. Rohit Jain Justice Anita Sharma

LAWYER\_NAME JUDGE\_NAME

-------------------- -------------------------

Adv. Rohit Jain Justice K. Suresh

Adv. Rohit Jain Justice Ramesh Iyer

Adv. Rohit Jain Justice Leela Devi

Adv. Rohit Jain Justice Aslam Khan

Adv. Rohit Jain Justice Binod Das

Adv. Rohit Jain Justice Kanchana Rao

Adv. Deepika Rao Justice R. Subramanian

Adv. Deepika Rao Justice Priya Menon

Adv. Deepika Rao Justice Dinesh Patil

Adv. Deepika Rao Justice Anita Sharma

Adv. Deepika Rao Justice K. Suresh

LAWYER\_NAME JUDGE\_NAME

-------------------- -------------------------

Adv. Deepika Rao Justice Ramesh Iyer

Adv. Deepika Rao Justice Leela Devi

Adv. Deepika Rao Justice Aslam Khan

Adv. Deepika Rao Justice Binod Das

Adv. Deepika Rao Justice Kanchana Rao

Adv. Imran Siddiqui Justice R. Subramanian

Adv. Imran Siddiqui Justice Priya Menon

Adv. Imran Siddiqui Justice Dinesh Patil

Adv. Imran Siddiqui Justice Anita Sharma

Adv. Imran Siddiqui Justice K. Suresh

Adv. Imran Siddiqui Justice Ramesh Iyer

LAWYER\_NAME JUDGE\_NAME

-------------------- -------------------------

Adv. Imran Siddiqui Justice Leela Devi

Adv. Imran Siddiqui Justice Aslam Khan

Adv. Imran Siddiqui Justice Binod Das

Adv. Imran Siddiqui Justice Kanchana Rao

Adv. Swati Joshi Justice R. Subramanian

Adv. Swati Joshi Justice Priya Menon

Adv. Swati Joshi Justice Dinesh Patil

Adv. Swati Joshi Justice Anita Sharma

Adv. Swati Joshi Justice K. Suresh

Adv. Swati Joshi Justice Ramesh Iyer

Adv. Swati Joshi Justice Leela Devi

LAWYER\_NAME JUDGE\_NAME

-------------------- -------------------------

Adv. Swati Joshi Justice Aslam Khan

Adv. Swati Joshi Justice Binod Das

Adv. Swati Joshi Justice Kanchana Rao

Adv. Raghav Patnaik Justice R. Subramanian

Adv. Raghav Patnaik Justice Priya Menon

Adv. Raghav Patnaik Justice Dinesh Patil

Adv. Raghav Patnaik Justice Anita Sharma

Adv. Raghav Patnaik Justice K. Suresh

Adv. Raghav Patnaik Justice Ramesh Iyer

Adv. Raghav Patnaik Justice Leela Devi

Adv. Raghav Patnaik Justice Aslam Khan

LAWYER\_NAME JUDGE\_NAME

-------------------- -------------------------

Adv. Raghav Patnaik Justice Binod Das

Adv. Raghav Patnaik Justice Kanchana Rao

Adv. Kiran Bedi Justice R. Subramanian

Adv. Kiran Bedi Justice Priya Menon

Adv. Kiran Bedi Justice Dinesh Patil

Adv. Kiran Bedi Justice Anita Sharma

Adv. Kiran Bedi Justice K. Suresh

Adv. Kiran Bedi Justice Ramesh Iyer

Adv. Kiran Bedi Justice Leela Devi

Adv. Kiran Bedi Justice Aslam Khan

Adv. Kiran Bedi Justice Binod Das

LAWYER\_NAME JUDGE\_NAME

-------------------- -------------------------

Adv. Kiran Bedi Justice Kanchana Rao

100 rows selected.

**7**. **JOIN with WHERE :**

SQL> SELECT Lawyer.Lawyer\_Name, Case.Title, Case.Case\_Category FROM Lawyer, Case WHERE Lawyer.Case\_ID = Case.Case\_ID;

LAWYER\_NAME TITLE CASE\_CATEGORY

-------------------- ------------------------------ ---------------

Adv. Arjun Mehta Rajiv vs State of Tamil Nadu Criminal

Adv. Sneha Nair Priya vs ABC Corporation Civil

Adv. Ravi Deshmukh State of Maharashtra vs Suresh Criminal

Adv. Neha Kapoor Sunil vs Anjali Family

Adv. Rohit Jain Bharat Traders vs Esha Ltd Commercial

Adv. Deepika Rao Meena vs Sun Pharma Labor

Adv. Imran Siddiqui Ali vs Fatima Divorce

Adv. Swati Joshi XYZ Ltd vs Tax Dept. Tax

Adv. Raghav Patnaik State of Odisha vs Ramesh Criminal

Adv. Kiran Bedi Kumar vs Kanchana Family

10 rows selected.

**INTEGRITY CONSTRAINTS:-**

SQL>SELECT \* FROM Case;

CASE\_ID TITLE CASE\_CATEGORY FILING\_DATE COURT\_ID

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JUDGE\_ID

--------

301 Rajiv vs State of Tamil Nadu Criminal 10-JAN-20 201

401

302 Priya vs ABC Corporation Civil 21-FEB-21 202

402

303 State of Maharashtra vs Suresh Criminal 18-MAR-21 203

403

CASE\_ID TITLE CASE\_CATEGORY FILING\_DATE COURT\_ID

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JUDGE\_ID

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304 Sunil vs Anjali Family 05-APR-22 204

404

305 Bharat Traders vs Esha Ltd Commercial 20-MAY-22 205

405

306 Meena vs Sun Pharma Labor 11-JUN-23 206

406

CASE\_ID TITLE CASE\_CATEGORY FILING\_DATE COURT\_ID

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JUDGE\_ID

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307 Ali vs Fatima Divorce 01-JUL-23 207

407

308 XYZ Ltd vs Tax Dept. Tax 15-AUG-24 208

408

309 State of Odisha vs Ramesh Criminal 07-SEP-24 209

409

CASE\_ID TITLE CASE\_CATEGORY FILING\_DATE COURT\_ID

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JUDGE\_ID

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310 Kumar vs Kanchana Family 22-OCT-25 210

410

10 rows selected.

SQL>SELECT \* FROM Lawyer;

LAWYER\_ID LAWYER\_NAME SPECIALIZATION CONTACT\_INFO

--------- -------------------- -------------------- -------------------------

CASE\_ID BAR\_REGISTRATION\_NO

------- --------------------

501 Adv. Arjun Mehta Criminal Law arjunmehta@gmail.com

301

502 Adv. Sneha Nair Civil Litigation snehanair@lawfirm.com

302

503 Adv. Ravi Deshmukh Criminal Law ravideshmukh@courtmail.co

m

303

LAWYER\_ID LAWYER\_NAME SPECIALIZATION CONTACT\_INFO

--------- -------------------- -------------------- -------------------------

CASE\_ID BAR\_REGISTRATION\_NO

------- --------------------

504 Adv. Neha Kapoor Family Law nehakapoor@lawchambers.co

m

304

505 Adv. Rohit Jain Commercial Law rohitjain@firm.co.in

305

506 Adv. Deepika Rao Labor Law deepikarao@legal.org

LAWYER\_ID LAWYER\_NAME SPECIALIZATION CONTACT\_INFO

--------- -------------------- -------------------- -------------------------

CASE\_ID BAR\_REGISTRATION\_NO

------- --------------------

306

507 Adv. Imran Siddiqui Family Law imransiddiqui@law.co

307

508 Adv. Swati Joshi Tax Law swatijoshi@taxfirm.com

308

509 Adv. Raghav Patnaik Criminal Law raghavp@justice.org

LAWYER\_ID LAWYER\_NAME SPECIALIZATION CONTACT\_INFO

--------- -------------------- -------------------- -------------------------

CASE\_ID BAR\_REGISTRATION\_NO

------- --------------------

309

510 Adv. Kiran Bedi Family Law kiranbedi@familylaw.in

310

10 rows selected.

SQL> SELECT \* FROM Lawyer;

LAWYER\_ID LAWYER\_NAME SPECIALIZATION CONTACT\_INFO

--------- -------------------- -------------------- -------------------------

CASE\_ID BAR\_REGISTRATION\_NO

------- --------------------

501 Adv. Arjun Mehta Criminal Law arjunmehta@gmail.com

301

502 Adv. Sneha Nair Civil Litigation snehanair@lawfirm.com

302

503 Adv. Ravi Deshmukh Criminal Law ravideshmukh@courtmail.co

m

303

LAWYER\_ID LAWYER\_NAME SPECIALIZATION CONTACT\_INFO

--------- -------------------- -------------------- -------------------------

CASE\_ID BAR\_REGISTRATION\_NO

------- --------------------

504 Adv. Neha Kapoor Family Law nehakapoor@lawchambers.co

m

304

505 Adv. Rohit Jain Commercial Law rohitjain@firm.co.in

305

506 Adv. Deepika Rao Labor Law deepikarao@legal.org

LAWYER\_ID LAWYER\_NAME SPECIALIZATION CONTACT\_INFO

--------- -------------------- -------------------- -------------------------

CASE\_ID BAR\_REGISTRATION\_NO

------- --------------------

306

507 Adv. Imran Siddiqui Family Law imransiddiqui@law.co

307

508 Adv. Swati Joshi Tax Law swatijoshi@taxfirm.com

308

509 Adv. Raghav Patnaik Criminal Law raghavp@justice.org

LAWYER\_ID LAWYER\_NAME SPECIALIZATION CONTACT\_INFO

--------- -------------------- -------------------- -------------------------

CASE\_ID BAR\_REGISTRATION\_NO

------- --------------------

309

510 Adv. Kiran Bedi Family Law kiranbedi@familylaw.in

310

10 rows selected.

SQL>SELECT Lawyer.Lawyer\_ID,Lawyer\_Name,Specialization,Contact\_Info,Case.Case\_ID,Title,Case\_Category FROM Lawyer,Case

WHERE Lawyer.Case\_ID = Case.Case\_ID;

LAWYER\_ID LAWYER\_NAME SPECIALIZATION CONTACT\_INFO

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CASE\_ID TITLE CASE\_CATEGORY

------- ------------------------------ ---------------

501 Adv. Arjun Mehta Criminal Law arjunmehta@gmail.com

301 Rajiv vs State of Tamil Nadu Criminal

502 Adv. Sneha Nair Civil Litigation snehanair@lawfirm.com

302 Priya vs ABC Corporation Civil

503 Adv. Ravi Deshmukh Criminal Law ravideshmukh@courtmail.co

m

303 State of Maharashtra vs Suresh Criminal

LAWYER\_ID LAWYER\_NAME SPECIALIZATION CONTACT\_INFO

--------- -------------------- -------------------- -------------------------

CASE\_ID TITLE CASE\_CATEGORY

------- ------------------------------ ---------------

504 Adv. Neha Kapoor Family Law nehakapoor@lawchambers.co

m

304 Sunil vs Anjali Family

505 Adv. Rohit Jain Commercial Law rohitjain@firm.co.in

305 Bharat Traders vs Esha Ltd Commercial

506 Adv. Deepika Rao Labor Law deepikarao@legal.org

LAWYER\_ID LAWYER\_NAME SPECIALIZATION CONTACT\_INFO

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CASE\_ID TITLE CASE\_CATEGORY

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306 Meena vs Sun Pharma Labor

507 Adv. Imran Siddiqui Family Law imransiddiqui@law.co

307 Ali vs Fatima Divorce

508 Adv. Swati Joshi Tax Law swatijoshi@taxfirm.com

308 XYZ Ltd vs Tax Dept. Tax

509 Adv. Raghav Patnaik Criminal Law raghavp@justice.org

LAWYER\_ID LAWYER\_NAME SPECIALIZATION CONTACT\_INFO

--------- -------------------- -------------------- -------------------------

CASE\_ID TITLE CASE\_CATEGORY

------- ------------------------------ ---------------

309 State of Odisha vs Ramesh Criminal

510 Adv. Kiran Bedi Family Law kiranbedi@familylaw.in

310 Kumar vs Kanchana Family

10 rows selected.

**VIEW:-**

**CREATE VIEW:**

SQL> CREATE VIEW Case\_Judge\_View AS SELECT c.Case\_ID, c.Title AS Case\_Title, j.Judge\_Name, j.Designation FROM Case c JOIN Judge j ON c.Judge\_ID = j.Judge\_ID;

View created.

SQL> SELECT \* FROM Case\_Judge\_View;

CASE\_ID

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CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

301

Rajiv vs State of Tamil Nadu

Justice R. Subramanian High Court Judge

302

Priya vs ABC Corporation

Justice Priya Menon Senior Civil Judge

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

303

State of Maharashtra vs Suresh

Justice Dinesh Patil Sessions Judge

304

Sunil vs Anjali

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

Justice Anita Sharma Family Judge

305

Bharat Traders vs Esha Ltd

Justice K. Suresh Commercial Judge

306

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

Meena vs Sun Pharma

Justice Ramesh Iyer Labor Judge

307

Ali vs Fatima

Justice Leela Devi Family Judge

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

308

XYZ Ltd vs Tax Dept.

Justice Aslam Khan Tax Judge

309

State of Odisha vs Ramesh

Justice Binod Das Criminal Judge

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

310

Kumar vs Kanchana

Justice Kanchana Rao Family Judge

10 rows selected.

**CREATE OR REPLACE VIEW:**

SQL> CREATE OR REPLACE VIEW Case\_Judge\_View AS SELECT c.Case\_ID,c.Title AS Case\_Title,j.Judge\_Name,j.Designation,ct.Court\_Name FROM Case c JOIN Judge j ON c.Judge\_ID = j.Judge\_ID JOIN Court ct ON c.Court\_ID = ct.Court\_ID;

View created.

SQL> SELECT \* FROM Case\_Judge\_View;

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

COURT\_NAME

--------------------------------------------------------------------------------

301

Rajiv vs State of Tamil Nadu

Justice R. Subramanian High Court Judge

Madras High Court

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

COURT\_NAME

--------------------------------------------------------------------------------

302

Priya vs ABC Corporation

Justice Priya Menon Senior Civil Judge

Chennai Civil Court

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

COURT\_NAME

--------------------------------------------------------------------------------

303

State of Maharashtra vs Suresh

Justice Dinesh Patil Sessions Judge

Mumbai Sessions Court

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

COURT\_NAME

--------------------------------------------------------------------------------

304

Sunil vs Anjali

Justice Anita Sharma Family Judge

Delhi Family Court

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

COURT\_NAME

--------------------------------------------------------------------------------

305

Bharat Traders vs Esha Ltd

Justice K. Suresh Commercial Judge

Ahmedabad Commercial Court

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

COURT\_NAME

--------------------------------------------------------------------------------

306

Meena vs Sun Pharma

Justice Ramesh Iyer Labor Judge

Pune Labor Court

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

COURT\_NAME

--------------------------------------------------------------------------------

307

Ali vs Fatima

Justice Leela Devi Family Judge

Hyderabad Family Court

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

COURT\_NAME

--------------------------------------------------------------------------------

308

XYZ Ltd vs Tax Dept.

Justice Aslam Khan Tax Judge

Kolkata Tax Court

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

COURT\_NAME

--------------------------------------------------------------------------------

309

State of Odisha vs Ramesh

Justice Binod Das Criminal Judge

Bhubaneswar Criminal Court

CASE\_ID

-------

CASE\_TITLE

--------------------------------------------------------------------------------

JUDGE\_NAME DESIGNATION

------------------------- --------------------

COURT\_NAME

--------------------------------------------------------------------------------

310

Kumar vs Kanchana

Justice Kanchana Rao Family Judge

Coimbatore Family Court

10 rows selected.

**DROP VIEW:**

SQL> DROP VIEW Case\_Judge\_View;

View dropped.