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 Kanchalna', '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

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.

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
------- ---------------------------- -------------- ------------ --------
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
------- ---------------------------- -------------- ------------ --------
JUDGE_ID
--------
    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
------- ---------------------------- -------------- ------------ --------
JUDGE_ID
--------
    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
------- ---------------------------- -------------- ----------- --------
JUDGE_ID
--------
    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
--------- ------------------ ------------------ -----------------------
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
--------- ------------------- ------------------- -----------------------
CASE_ID TITLE                 CASE_CATEGORY
------- ----------------------------- --------------
    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

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.