

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

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					

AGGREGATE FUNCTIONS AND SORTING:-

1. **COUNT** – Total Number of Cases

SQL> SELECT COUNT(*) AS Total_Cases FROM Case;

TOTAL_CASES

10

2. **MIN / MAX** – Earliest and Latest Case Filing Dates

SQL>SELECT MIN(Filing_Date) AS

Earliest_Case,MAX(Filing_Date) AS Latest_Case FROM Case;

EARLIEST_ LATEST_CA

10-JAN-20 22-OCT-25

3.ORDER BY – List Lawyers Alphabetically

```
SQL> SELECT Lawyer_ID, Lawyer_Name, Specialization
FROM Lawyer ORDER BY Lawyer_Name ASC;
```

LAWYER_ID	LAWYER_NAME	SPECIALIZATION
-----------	-------------	----------------

501	Adv. Arjun Mehta	Criminal Law
506	Adv. Deepika Rao	Labor Law
507	Adv. Imran Siddiqui	Family Law
510	Adv. Kiran Bedi	Family Law
504	Adv. Neha Kapoor	Family Law
509	Adv. Raghav Patnaik	Criminal Law
503	Adv. Ravi Deshmukh	Criminal Law
505	Adv. Rohit Jain	Commercial Law
502	Adv. Sneha Nair	Civil Litigation
508	Adv. Swati Joshi	Tax Law

10 rows selected.

4. SUM/COUNT + GROUP BY – Total Hearings per Case

```
SQL> SELECT Case_ID, COUNT(*) AS Total_Hearings FROM
Hearing GROUP BY Case_ID ORDER BY Total_Hearings
DESC;
```

CASE_ID	TOTAL_HEARINGS
---------	----------------

301	1
302	1
303	1

304	1
310	1
306	1
307	1
308	1
309	1
305	1

10 rows selected.

5.AVG of Case_IDs by Category

```
SQL> SELECT Case_Category, AVG(Case_ID) AS
Avg_CaseID FROM Case GROUP BY Case_Category;
```

CASE_CATEGORY	AVG_CASEID
-----	-----
Criminal	304.333333
Civil	302
Family	307
Commercial	305
Labor	306
Divorce	307
Tax	308

7 rows selected.

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		
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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 I.Lawyer_Name, j.Judge_Name FROM Lawyer I 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
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

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

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.com
303	State of Maharashtra vs Suresh	Criminal	

LAWYER_ID	LAWYER_NAME	SPECIALIZATION	CONTACT_INFO
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CASE_ID	TITLE	CASE_CATEGORY
---------	-------	---------------

504	Adv. Neha Kapoor	Family Law	nehakapoor@lawchambers.com
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
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LAWYER_ID	LAWYER_NAME	SPECIALIZATION	CONTACT_INFO
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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
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-------	--

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
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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.