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);

INSERT INTO Lawyer VALUES (506, 'Adv. Deepika Rao', 'Labor Law',

1 row created.

'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;

Table truncated.

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 Sessions Judge 403 Justice Dinesh Patil 203 303 404 Justice Anita Sharma Family Judge 204 304 Commercial Judge 405 Justice K. Suresh 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 Family Judge 410 Justice Kanchana Rao 210 310

10 rows selected.

View case details of 'Criminal' type

AGGREGATE FUNCTIONS AND SORTING:-

1. **COUNT** – Total Number of Cases SQL> SELECT COUNT(*) AS Total Cases FROM Case;

409

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 Litigation508 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.

6.DESCRIBE THE TABLE STRUCTURE SQL>DESC JUDGE;

Name	Null? Type
JUDGE_ID	NOT NULL NUMBER(38)
JUDGE_NAME	NOT NULL
VARCHAR2(100)	\
DESIGNATION	VARCHAR2(50)
COURT_ID	NUMBER(38)
CASE_ID	NUMBER(38)
7.COUNT - Total num	ber of cases
	(CASE_ID) "TOTAL CASES" FROM
CASE;	
TOTAL CASES	
10	
8.Absolute Value	
SQL>SELECT ABS(20) "ABSOLUTE VALUE" FROM DUAL;
ABSOLUTE VALUE	
20	
9.ROUND	
	2678.96) "round" FROM Dual ;
round	, , , , , , , , , , , , , , , , , , , ,
2679	

10.POWER

SQL>SELECT power (3,2) "power" FROM Dual;

```
power
    9
11.SQUARE ROOT
SQL> SELECT sqrt (25) "square root" FROM Dual;
square root
     5
12.EXPONENT
SQL>SELECT exp (5) "exponent" FROM Dual;
exponent
148.413159
13.GREATEST
SQL> SELECT greatest (45643,10458739,235870) "number"
FROM Dual;
  number
 10458739
14.LEAST
SQL>SELECT least (45643,10458739,235870) "number"
FROM Dual;
number
 45643
```

```
15.MODULOUS
SQL>SELECT mod (15,8) "number" FROM Dual;
  number
    7
16.TRUNC
SQL>SELECT trunc (138.356,1) "number" FROM Dual;
  number
   138.3
17.FLOOR
SQL>SELECT floor (28.6) "number" FROM Dual;
  number
    28
18.CEIL
SQL>SELECT ceil (38.6) "number" FROM Dual;
  number
    39
19.LOWERCASE
SQL> SELECT LOWER(JUDGE_NAME) FROM JUDGE;
LOWER(JUDGE_NAME)
justice r. subramanian
justice priya menon
justice dinesh patil
justice anita sharma
```

justice k. suresh
justice ramesh iyer
justice leela devi
justice aslam khan
justice binod das
justice kanchana rao

10 rows selected.

20.INITCAP

SQL> SELECT INITCAP(JUDGE_NAME) FROM JUDGE;

INITCAP(JUDGE_NAME)

Justice R. Subramanian

Justice Priya Menon

Justice Dinesh Patil

Justice Anita Sharma

Justice K. Suresh

Justice Ramesh Iyer

Justice Leela Devi

Justice Aslam Khan

Justice Binod Das

Justice Kanchana Rao

10 rows selected.

21.UPPERCASE

SQL> SELECT UPPER(JUDGE_NAME) FROM JUDGE;

UPPER(JUDGE_NAME)

JUSTICE R. SUBRAMANIAN

```
JUSTICE PRIYA MENON
JUSTICE DINESH PATIL
JUSTICE ANITA SHARMA
JUSTICE K. SURESH
JUSTICE RAMESH IYER
JUSTICE LEELA DEVI
JUSTICE ASLAM KHAN
JUSTICE BINOD DAS
JUSTICE KANCHANA RAO
10 rows selected.
22.ASCII
SQL> SELECT ascii ('a') FROM Dual;
ASCII('A')
    97
23.LENGTH
SQL> SELECT LENGTH('LOCATION') FROM DUAL;
LENGTH('LOCATION')
        8
24.LTRIM
SQL> SELECT Itrim ('table name','d') FROM Dual;
LTRIM
table name
25.RTRIM
SQL> SELECT rtrim ('table name', 'a') FROM Dual;
```

RTRIM('TAB

table name

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:-
ONIO
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

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 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 Uustice K. Suresh Commercial Judge

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

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 I.Lawyer_Name, I.Specialization, c.Title FROM Lawyer I RIGHT JOIN Case c ON I.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:

Further Hearing Scheduled

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	
301 Rajiv vs State of Tamil N Adjourned	
302 Priya vs ABC Corporation 20-FEB-21 Judgment Reserved	
303 State of Maharashtra vs In Progress	Suresh 25-MAR-21
CASE_ID TITLE	HEARING_DATE
OUTCOME	
304 Sunil vs Anjali Reconciliation Failed	10-APR-22
305 Bharat Traders vs Esha Ongoing	Ltd 18-MAY-22
306 Meena vs Sun Pharma Partial Settlement	15-JUN-23
CASE_ID TITLE	
OUTCOME	
307 Ali vs Fatima Reserved for Judgment	05-JUL-23
308 XYZ Ltd vs Tax Dept.	20-AUG-24

309 State of Odisha vs Ramesh 12-SEP-24 Adjourned

CASE_ID TITLE	HEARING_DATE
OUTCOME	·
310 Kumar vs Kanchana Judgment Passed	30-OCT-25

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 Justice Priya Menon Justice Dinesh Patil Justice Anita Sharma Justice K. Suresh Justice Ramesh Iyer Justice Leela Devi Justice Aslam Khan Justice Binod Das Justice Kanchana Rao
Adv. Sneha Nair LAWYER_NAME	Justice R. Subramanian JUDGE_NAME
Adv. Sneha Nair Adv. Sneha Nair Adv. Sneha Nair	Justice Priya Menon Justice Dinesh Patil 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 Anita Sharma
Justice Ramesh Iyer
Justice Aslam Khan
Justice Binod Das
Adv. Ravi Deshmukh
Justice Ramesh Iyer
Justice Aslam Khan
Justice Ramesh Iyer
Justice Priva Iyer
Justice Ramesh Iyer
Justice Ramesh Iyer

LAWYER_NAME JUDGE_NAME

Adv. Neha Kapoor Justice Anita Sharma Adv. Neha Kapoor Justice K. Suresh Adv. Neha Kapoor Justice Ramesh lyer Adv. Neha Kapoor Justice Leela Devi Adv. Neha Kapoor Justice Aslam Khan Justice Binod Das Adv. Neha Kapoor 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 lyer 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 Uustice Anita Sharma Adv. Deepika Rao Uustice 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 Siddigui 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 Ustice R. Subramanian

Adv. Swati Joshi Ustice Priya Menon

Adv. Swati Joshi Ustice Dinesh Patil

Adv. Swati Joshi Uustice Anita Sharma

Adv. Swati Joshi Justice K. Suresh

Adv. Swati Joshi Uustice Ramesh Iyer

Adv. Swati Joshi Uustice Leela Devi

LAWYER_NAME JUDGE_NAME

Adv. Swati Joshi Uustice Aslam Khan

Adv. Swati Joshi Uustice Binod Das

Adv. Swati Joshi Uustice 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 Justice K. Suresh Adv. Kiran Bedi Adv. Kiran Bedi Justice Ramesh lyer 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 Ustice Kanchana Rao

100 rows selected.

7. JOIN with WHERE:

SQL> SELECT 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 N 401	adu Criminal 10-JAN-20 201
302 Priya vs ABC Corporatio 402	n Civil 21-FEB-21 202
303 State of Maharashtra vs 403	Suresh Criminal 18-MAR-21 203
CASE_ID TITLE	CASE_CATEGORY FILING_DATE COURT_ID
JUDGE_ID	
304 Sunil vs Anjali 404	Family 05-APR-22 204
305 Bharat Traders vs Esha 405	Ltd Commercial 20-MAY-22 205
306 Meena vs Sun Pharma 406	Labor 11-JUN-23 206
CASE_ID TITLE	CASE_CATEGORY FILING_DATE COURT_ID
JUDGE_ID	
307 Ali vs Fatima 407	Divorce 01-JUL-23 207
308 XYZ Ltd vs Tax Dept. 408	Tax 15-AUG-24 208
309 State of Odisha vs Rame 409	esh Criminal 07-SEP-24 209
CASE_ID TITLE	CASE_CATEGORY FILING_DATE COURT_ID
JUDGE_ID	
310 Kumar vs Kanchana 410	Family 22-OCT-25 210

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

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

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 Family 304 Sunil vs Anjali 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_CATEGORY CASE ID TITLE 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_CATEGORY CASE_ID TITLE 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_ID	Case_Judge_View;
CASE_TITLE	
JUDGE_NAME	DESIGNATION
301 Rajiv vs State of Tamil N Justice R. Subramanian	ladu
302 Priya vs ABC Corporatio	on
Justice Priya Menon	Senior Civil Judge
CASE_ID	
CASE_TITLE	
JUDGE_NAME	DESIGNATION

CASE_TITLE

State of Maharashtra v	s 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 Esh	a Ltd
Justice K. Suresh	Commercial Judge
306	
CASE_ID	

_	DESIGNATION	
Meena vs Sun Pharma		
Justice Ramesh lyer	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 Ra	mesh	

Criminal Judge

Justice Binod Das

CASE_ID	
CASE_TITLE	
	DESIGNATION
310	
Kumar vs Kanchana	
Justice Kanchana Rao	Family Judge
10 rows selected.	
CREATE OR REPLACE	E VIEW:
c.Case_ID,c.Title AS Ca	PLACE VIEW Case_Judge_View AS SELECT se_Title,j.Judge_Name,j.Designation,ct.Court_Name FROM I c.Judge_ID = j.Judge_ID JOIN Court ct ON c.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	
COURT_NAME	
303	
State of Maharashtra v	s Suresh
Justice Dinesh Patil	Sessions Judge
Mumbai Sessions Cou	rt
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		
	DESIGNATION	
COURT_NAME		
305		
Bharat Traders vs Esh	na Ltd	
Justice K. Suresh	Commercial Judge	
Ahmedabad Commer	cial 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	t
10 rows selected.	
DROP VIEW:	
SQL> DROP VIEW Case_Judge_View;	
View dropped.	