

SQL TIPS AND TRICKS





PART 19

SQL LEFT JOIN ZERO TO ADVANCED



MAYURI DANDEKAR

Example--

emp

Result Grid   Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 									
	emp_id	emp_name	department_id	salary	manager_id	dept_name	gender	age	dob
▶	1	Ankit	100	11000	4	IT	female	24	2000-09-01
	2	mohit	100	16500	5	IT	female	27	1997-05-07
	3	vikas	100	22000	4	IT	female	30	1994-08-05
	4	rohit	200	30000	2	Marketing	male	30	1994-08-05
	5	mohit	200	12000	6	Marketing	male	24	2000-09-01
	6	agam	200	14400	2	Marketing	male	24	2000-09-01
	7	anam	200	14400	3	Marketing	male	24	2000-09-01
	8	ashish	200	6000	5	Marketing	male	20	2003-12-12
	9	vikas	300	15000	4	NULL	male	27	1997-05-07

Dept

Result Grid   Filter Rows: <input type="text"/>		
	dept_id	dept_name
▶	100	IT
	200	Marketing

```

3 • SELECT * FROM emp e
4 LEFT JOIN dept d ON e.department_id = d.dept_id;

```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	emp_id	emp_name	department_id	salary	manager_id	dept_name	gender	age	dob	dept_id	dept_name
▶	1	Ankit	100	11000	4	IT	female	24	2000-09-01	100	IT
	2	mohit	100	16500	5	IT	female	27	1997-05-07	100	IT
	3	vikas	100	22000	4	IT	female	30	1994-08-05	100	IT
	4	rohit	200	30000	2	Marketing	male	30	1994-08-05	200	Marketing
	5	mohit	200	12000	6	Marketing	male	24	2000-09-01	200	Marketing
	6	agam	200	14400	2	Marketing	male	24	2000-09-01	200	Marketing
	7	anam	200	14400	3	Marketing	male	24	2000-09-01	200	Marketing
	8	ashish	200	6000	5	Marketing	male	20	2003-12-12	200	Marketing
	9	vikas	300	15000	4	NULL	male	27	1997-05-07	NULL	NULL

```

6      -- using filter AND
7 •    SELECT * FROM emp e
8      LEFT JOIN dept d ON e.department_id = d.dept_id AND d.dept_name = "IT";

```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:





	emp_id	emp_name	department_id	salary	manager_id	dept_name	gender	age	dob	dept_id	dept_name
▶	1	Ankit	100	11000	4	IT	female	24	2000-09-01	100	IT
	2	mohit	100	16500	5	IT	female	27	1997-05-07	100	IT
	3	vikas	100	22000	4	IT	female	30	1994-08-05	100	IT
	4	rohit	200	30000	2	Marketing	male	30	1994-08-05	NULL	NULL
	5	mohit	200	12000	6	Marketing	male	24	2000-09-01	NULL	NULL
	6	agam	200	14400	2	Marketing	male	24	2000-09-01	NULL	NULL
	7	anam	200	14400	3	Marketing	male	24	2000-09-01	NULL	NULL
	8	ashish	200	6000	5	Marketing	male	20	2003-12-12	NULL	NULL
	9	vikas	300	15000	4	NULL	male	27	1997-05-07	NULL	NULL



```
10      -- using filter WHERE
```

```
11 •    SELECT * FROM emp e
```

```
12    LEFT JOIN dept d ON e.department_id = d.dept_id WHERE d.dept_name = "IT";
```

Result Grid											
Filter Rows: <input type="text"/>											
Export:  Wrap Cell Content: 											
	emp_id	emp_name	department_id	salary	manager_id	dept_name	gender	age	dob	dept_id	dept_name
▶	1	Ankit	100	11000	4	IT	female	24	2000-09-01	100	IT
	2	mohit	100	16500	5	IT	female	27	1997-05-07	100	IT
	3	vikas	100	22000	4	IT	female	30	1994-08-05	100	IT

```
14      -- display null dept_name
15 •    SELECT * FROM emp e
16      LEFT JOIN dept d ON e.department_id = d.dept_id WHERE d.dept_name is null;
```

Result Grid											
Filter Rows: <input type="text"/>											
Export:  Wrap Cell Content: 											
	emp_id	emp_name	department_id	salary	manager_id	dept_name	gender	age	dob	dept_id	dept_name
▶	9	vikas	300	15000	4	NULL	male	27	1997-05-07	NULL	NULL

18 • **SELECT * FROM** emp e

19 **LEFT JOIN** dept d **ON** e.department_id = d.dept_id **WHERE** e.salary = 14400;

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	emp_id	emp_name	department_id	salary	manager_id	dept_name	gender	age	dob	dept_id	dept_name
▶	6	agam	200	14400	2	Marketing	male	24	2000-09-01	200	Marketing
	7	anam	200	14400	3	Marketing	male	24	2000-09-01	200	Marketing



THANK YOU

MAYURI DANDEKAR