SQL TIPS AND TRICKS

PART 19

SQL LEFT JOIN ZERO TO ADVANCED

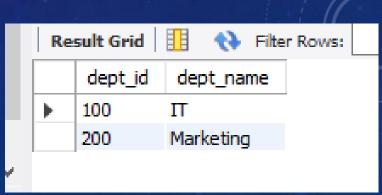
MAYURI DANDEKAR

Example--

emp

Re	Result Grid										
	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		





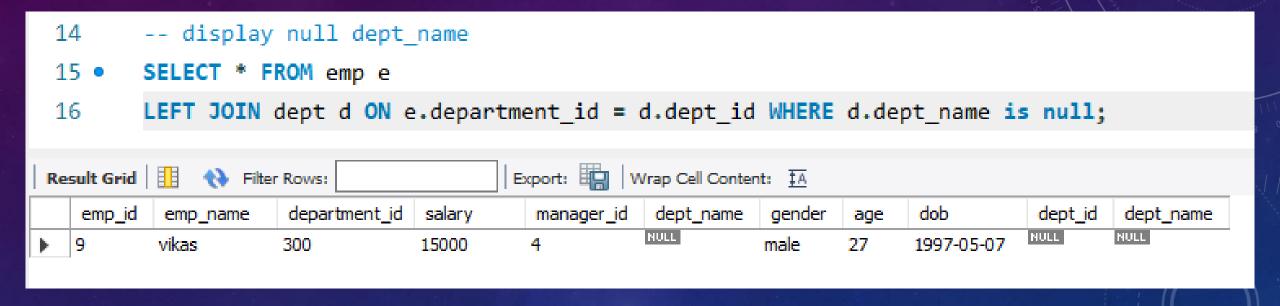
- 3 SELECT * FROM emp e
- 4 LEFT JOIN dept d ON e.department_id = d.dept_id;

Re	Result Grid										
	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	Π
	2	mohit	100	16500	5	IT	female	27	1997-05-07	100	IT
	3	vikas	100	22000	4	Π	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 1											
	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	Π	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
        LEFT JOIN dept d ON e.department_id = d.dept_id WHERE d.dept_name = "IT";
12
Export: Wrap Cell Content: IA
                     department_id
                                                                                       dept_id
   emp_id
         emp_name
                                 salary
                                          manager_id dept_name
                                                                                              dept_name
                                                               gender
                                                                            dob
                                                                      age
                                                               female
         Ankit
                                                                            2000-09-01
                                          4
                                                                      24
                                                                                              IT
                    100
                                11000
                                                    IT
                                                                                      100
         mohit
                                                               female
                                                                                              IT
                    100
                                16500
                                                    IT
                                                                      27
                                                                            1997-05-07
                                                                                      100
         vikas
                                                    IT
                                                               female
                    100
                                22000
                                                                      30
                                                                                              IT
                                                                            1994-08-05
                                                                                      100
```





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

R	Result Grid										
	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