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DATABASE ASSIGNMENT

1. concatenate first and last name as full name

```
employees_management=# select concat(first_name, ' ', last_name) as Full_name from employees;
Full_name
-----
Alice Johnson
Bob Smith
Carol Adams
David Lee
Eve Martins
Frank Green
Grace Brown
Hank Wilson
Ivy Clark
Jake White
(10 rows)
```

2. convert all employee names to lowercase

```
employees_management=# select lower(first_name), lower(last_name) from employees;
lower | lower
-----+-----
alice | johnson
bob   | smith
carol | adams
david | lee
eve   | martins
frank | green
grace | brown
hank  | wilson
ivy   | clark
jake  | white
(10 rows)
```

3. extract the first 3 letters of the employee's first name

```
employees_management=# SELECT LEFT(first_name, 3) FROM employees;
left
-----
Ali
Bob
Car
Dav
Eve
Fra
Gra
Han
Ivy
Jak
(10 rows)
```

replace '@company.com' in email with '@org.com'.

```
employees_management=# SELECT REPLACE(email, '@company.com', '@org.com') AS updated_email FROM employees;
updated_email
-----
alice.johnson@org.com
bob.smith@org.com
carol.adams@org.com
david.lee@org.com
eve.martins@org.com
frank.green@org.com
grace.brown@org.com
hank.wilson@org.com
ivy.clark@org.com
jake.white@org.com
(10 rows)
```

- trim spaces from a padded string

```
employees_management=# SELECT employee_id, TRIM(first_name) AS trimmed_first_name, TRIM(last_name) AS trimmed_last_name, TRIM(email) AS trimmed_email FROM employees;
employee_id | trimmed_first_name | trimmed_last_name | trimmed_email
-----
101 | Alice | Johnson | alice.johnson@company.com
102 | Bob | Smith | bob.smith@company.com
103 | Carol | Adams | carol.adams@company.com
104 | David | Lee | david.lee@company.com
105 | Eve | Martins | eve.martins@company.com
106 | Frank | Green | frank.green@company.com
107 | Grace | Brown | grace.brown@company.com
108 | Hank | Wilson | hank.wilson@company.com
109 | Ivy | Clark | ivy.clark@company.com
110 | Jake | White | jake.white@company.com
(10 rows)
```

- count characters in an employee's full name.

```
employees_management=# SELECT LENGTH(CONCAT(first_name, ' ', last_name)) AS name_length FROM employees;
name_length
-----
13
9
11
9
11
11
11
11
9
10
(10 rows)
```

- find position of '@' in email using INSTR()/CHARINDEX().

```
employees_management=# SELECT POSITION('@' IN email) AS at_position FROM employees;
at_position
-----
14
10
12
10
12
12
12
12
10
11
(10 rows)
```

- add 'Mr.' or 'Ms.' before names based on gender (assume gender exists).

```
employees_management=# SELECT CASE WHEN first_name IN ('Alice', 'Carol', 'Eve', 'Grace', 'Ivy') THEN CONCAT('Ms. ', first_name, ' ', last_name) ELSE CONCAT('Mr. ', first_name, ' ', last_name) END AS titled_name FROM employees;
titled_name
-----
Ms. Alice Johnson
Mr. Bob Smith
Ms. Carol Adams
Mr. David Lee
Ms. Eve Martins
Mr. Frank Green
Ms. Grace Brown
Mr. Hank Wilson
Ms. Ivy Clark
Mr. Jake White
(10 rows)
```

8. format project names to uppercase.

```
employees_management=# SELECT UPPER(project_name) FROM projects;
upper
-----
HR REVAMP
FINANCE AUTOMATION
IT INFRASTRUCTURE UPGRADE
MARKETING BLITZ 2025
LEGAL COMPLIANCE
CUSTOMER PORTAL
SALES BOOSTER
R&D PILOT
PROCUREMENT TRACKER
OPERATIONS STREAMLINE
(10 rows)
```

9. Remove any dashes from project names.

```
employees_management=# SELECT REPLACE(project_name, '-', '') FROM projects;
replace
-----
HR Revamp
Finance Automation
IT Infrastructure Upgrade
Marketing Blitz 2025
Legal Compliance
Customer Portal
Sales Booster
R&D Pilot
Procurement Tracker
Operations Streamline
(10 rows)
```

10. Create a label like "Emp: John Doe (HR)".

```
employees_management=# SELECT CONCAT('Emp: ', first_name, ' ', last_name, ' (', department_name, ')') AS label FROM employees e JOIN departments d ON e.department_id = d.department_id;
label
-----
Emp: Alice Johnson (Human Resources)
Emp: Bob Smith (Information Technology)
Emp: Carol Adams (Finance)
Emp: David Lee (Marketing)
Emp: Eve Martins (Information Technology)
Emp: Frank Green (Sales)
Emp: Grace Brown (Legal)
Emp: Hank Wilson (Operations)
Emp: Ivy Clark (Research and Development)
Emp: Jake White (Customer Service)
(10 rows)
```

11. Check email length for each employee.

```
employees_management=# SELECT email, LENGTH(email) AS email_length FROM employees;
 email | email_length
-----+-----
alice.johnson@company.com | 25
bob.smith@company.com | 21
carol.adams@company.com | 23
david.lee@company.com | 21
eve.martins@company.com | 23
frank.green@company.com | 23
grace.brown@company.com | 23
hank.wilson@company.com | 23
ivy.clark@company.com | 21
jake.white@company.com | 22
(10 rows)
```

12. Extract last name only from email (before @).

```
employees_management=# SELECT SPLIT_PART(email, '@', 1) AS email_user FROM employees;
 email_user
-----
alice.johnson
bob.smith
carol.adams
david.lee
eve.martins
frank.green
grace.brown
hank.wilson
ivy.clark
jake.white
(10 rows)
```

13. Format: “LASTNAME, Firstname” using UPPER and CONCAT.

```
employees_management=# SELECT e.first_name, e.last_name, CASE WHEN p.end_date IS NULL OR p.end_date > CURRENT_DATE THEN CONCAT(e.first_name, ' ', e.last_name, ' (Active)')
ELSE CONCAT(e.first_name, ' ', e.last_name) END AS status FROM employees e LEFT JOIN employee_projects ep ON e.employee_id = ep.employee_id LEFT JOIN projects p ON ep.proje
ct_id = p.project_id;
 first_name | last_name | status
-----
Alice | Johnson | Alice Johnson
Bob | Smith | Bob Smith (Active)
Carol | Adams | Carol Adams
David | Lee | David Lee
Eve | Martins | Eve Martins (Active)
Frank | Green | Frank Green
Grace | Brown | Grace Brown
Hank | Wilson | Hank Wilson
Ivy | Clark | Ivy Clark (Active)
Jake | White | Jake White
(10 rows)
```

14. Add “(Active)” next to employee names who have current projects.

```
employees_management=# SELECT e.first_name, e.last_name, CASE WHEN p.end_date IS NULL OR p.end_date > CURRENT_DATE THEN CONCAT(e.first_name, ' ', e.last_name, ' (Active)')
ELSE CONCAT(e.first_name, ' ', e.last_name) END AS status FROM employees e LEFT JOIN employee_projects ep ON e.employee_id = ep.employee_id LEFT JOIN projects p ON ep.proje
ct_id = p.project_id;
 first_name | last_name | status
-----
Alice | Johnson | Alice Johnson
Bob | Smith | Bob Smith (Active)
Carol | Adams | Carol Adams
David | Lee | David Lee
Eve | Martins | Eve Martins (Active)
Frank | Green | Frank Green
Grace | Brown | Grace Brown
Hank | Wilson | Hank Wilson
Ivy | Clark | Ivy Clark (Active)
Jake | White | Jake White
(10 rows)
```

Numeric Function Exercises (10)

16. Round salary to the nearest whole number.

```
employees_management=# SELECT salary, ROUND(salary) AS rounded_salary FROM employees;
```

salary	rounded_salary
4500.00	4500
5200.00	5200
6700.00	6700
3800.00	3800
4000.00	4000
6000.00	6000
4900.00	4900
3100.00	3100
2700.00	2700
3600.00	3600

(10 rows)

17. Show only even salaries using MOD.

```
employees_management=# SELECT * FROM employees WHERE MOD(salary, 2) = 0;
```

employee_id	first_name	last_name	email	hire_date	salary	department_id
101	Alice	Johnson	alice.johnson@company.com	2015-03-15	4500.00	1
102	Bob	Smith	bob.smith@company.com	2018-06-23	5200.00	3
103	Carol	Adams	carol.adams@company.com	2012-09-10	6700.00	2
104	David	Lee	david.lee@company.com	2020-01-05	3800.00	4
105	Eve	Martins	eve.martins@company.com	2019-12-11	4000.00	3
106	Frank	Green	frank.green@company.com	2017-07-08	6000.00	8
107	Grace	Brown	grace.brown@company.com	2014-11-02	4900.00	5
108	Hank	Wilson	hank.wilson@company.com	2013-02-17	3100.00	6
109	Ivy	Clark	ivy.clark@company.com	2021-08-30	2700.00	9
110	Jake	White	jake.white@company.com	2022-05-19	3600.00	7

(10 rows)

18. Show difference between two project end/start dates using DATEDIFF.

```
employees_management=# SELECT project_name, (end_date - start_date) AS duration_days FROM projects WHERE end_date IS NOT NULL;
```

project_name	duration_days
HR Revamp	364
Finance Automation	350
Marketing Blitz 2025	149
Legal Compliance	184
Customer Portal	364
Sales Booster	364
Procurement Tracker	245
Operations Streamline	365

(8 rows)

19. Show absolute difference in salaries between two employees.

```
employees_management=# SELECT ABS(e1.salary - e2.salary) AS salary_diff FROM employees e1 JOIN employees e2 ON e1.employee_id = 101 AND e2.employee_id = 102;
```

salary_diff
700.00

(1 row)

20. Raise salary by 10% using POWER.

```
employees_management=# SELECT salary, salary * POWER(1.10, 1) AS raised_salary FROM employees;
 salary |      raised_salary
-----+-----
 4500.00 | 4950.0000000000000000000000000000
 5200.00 | 5720.0000000000000000000000000000
 6700.00 | 7370.0000000000000000000000000000
 3800.00 | 4180.0000000000000000000000000000
 4000.00 | 4400.0000000000000000000000000000
 6000.00 | 6600.0000000000000000000000000000
 4900.00 | 5390.0000000000000000000000000000
 3100.00 | 3410.0000000000000000000000000000
 2700.00 | 2970.0000000000000000000000000000
 3600.00 | 3960.0000000000000000000000000000
(10 rows)
```

21. Generate a random number for testing IDs.

```
employees_management=# SELECT employee_id, ROUND(RANDOM() * 10000) AS random_id FROM employees;
 employee_id | random_id
-----+-----
         101 |        514
         102 |       8377
         103 |       1082
         104 |       4579
         105 |         70
         106 |       3488
         107 |       9852
         108 |       8646
         109 |       2869
         110 |       1228
(10 rows)
```

22. Use CEIL and FLOOR on a floating salary.

```
employees_management=# SELECT salary, CEIL(salary) AS ceil_val, FLOOR(salary) AS floor_val FROM employees;
 salary | ceil_val | floor_val
-----+-----+-----
 4500.00 |      4500 |      4500
 5200.00 |      5200 |      5200
 6700.00 |      6700 |      6700
 3800.00 |      3800 |      3800
 4000.00 |      4000 |      4000
 6000.00 |      6000 |      6000
 4900.00 |      4900 |      4900
 3100.00 |      3100 |      3100
 2700.00 |      2700 |      2700
 3600.00 |      3600 |      3600
(10 rows)
```

23. Use LENGTH() on phone numbers (assume column exists).

```
employees_management=# SELECT phone_number, LENGTH(phone_number) AS phone_length FROM employees;
ERROR: column "phone_number" does not exist
LINE 1: SELECT phone_number, LENGTH(phone_number) AS phone_length FR...
                  ^
employees_management=#
```

24. Categorize salary: High/Medium/Low using CASE.

```
employees_management=# SELECT salary, CASE WHEN salary >= 6000 THEN 'High' WHEN salary >= 4000 THEN 'Medium' ELSE 'Low' END AS salary_level FROM employees;
 salary | salary_level
-----+-----
 4500.00 | Medium
 5200.00 | Medium
 6700.00 | High
 3800.00 | Low
 4000.00 | Medium
 6000.00 | High
 4900.00 | Medium
 3100.00 | Low
 2700.00 | Low
 3600.00 | Low
(10 rows)
```

25. Count digits in salary amount.

```
employees_management=# SELECT salary, LENGTH(FLOOR(salary)::TEXT) AS digit_count FROM employees;
 salary | digit_count
-----+-----
 4500.00 | 4
 5200.00 | 4
 6700.00 | 4
 3800.00 | 4
 4000.00 | 4
 6000.00 | 4
 4900.00 | 4
 3100.00 | 4
 2700.00 | 4
 3600.00 | 4
(10 rows)
```

Date or Time Function Exercises (10)

26. Show today's date using CURRENT_DATE.

```
employees_management=# SELECT CURRENT_DATE;
 current_date
-----
 2025-07-30
(1 row)
```

27. Calculate how many days an employee has worked.

```
employees_management=# SELECT * FROM employees WHERE EXTRACT(YEAR FROM hire_date) = EXTRACT(YEAR FROM CURRENT_DATE);
 employee_id | first_name | last_name | email | hire_date | salary | department_id
-----+-----+-----+-----+-----+-----+-----
(0 rows)

employees_management=#
```

28. Show employees hired in the current year.


```
employees_management=# SELECT * FROM employees WHERE EXTRACT(YEAR FROM hire_date) = EXTRACT(YEAR FROM CURRENT_DATE);
 employee_id | first_name | last_name | email | hire_date | salary | department_id
-----+-----+-----+-----+-----+-----+-----
(0 rows)

employees_management=#
```

29. Display current date and time using NOW().

```
employees_management=# SELECT NOW();
 now
-----
2025-07-30 11:03:53.321143+02
(1 row)
```

30. Extract the year, month, and day from hire_date.

```
employees_management=# SELECT hire_date, EXTRACT(YEAR FROM hire_date) AS year, EXTRACT(MONTH FROM hire_date) AS month, EXTRACT(DAY FROM hire_date) AS day FROM employees;
 hire_date | year | month | day
-----+-----+-----+-----
2015-03-15 | 2015 | 3 | 15
2018-06-23 | 2018 | 6 | 23
2012-09-10 | 2012 | 9 | 10
2020-01-05 | 2020 | 1 | 5
2019-12-11 | 2019 | 12 | 11
2017-07-08 | 2017 | 7 | 8
2014-11-02 | 2014 | 11 | 2
2013-02-17 | 2013 | 2 | 17
2021-06-30 | 2021 | 6 | 30
2022-05-19 | 2022 | 5 | 19
(10 rows)
```

31. Show employees hired before 2020.

```
employees_management=# SELECT * FROM employees WHERE hire_date < '2020-01-01';
 employee_id | first_name | last_name | email | hire_date | salary | department_id
-----+-----+-----+-----+-----+-----+-----
101 | Alice | Johnson | alice.johnson@company.com | 2015-03-15 | 4500.00 | 1
102 | Bob | Smith | bob.smith@company.com | 2018-06-23 | 5200.00 | 3
103 | Carol | Adams | carol.adams@company.com | 2012-09-10 | 6700.00 | 2
105 | Eve | Martins | eve.martins@company.com | 2019-12-11 | 4000.00 | 3
106 | Frank | Green | frank.green@company.com | 2017-07-08 | 6000.00 | 8
107 | Grace | Brown | grace.brown@company.com | 2014-11-02 | 4900.00 | 5
108 | Hank | Wilson | hank.wilson@company.com | 2013-02-17 | 3100.00 | 6
(7 rows)
```

32. List projects that ended in the last 30 days.

```
employees_management=# SELECT * FROM projects WHERE end_date BETWEEN CURRENT_DATE - INTERVAL '30 days' AND CURRENT_DATE;
 project_id | project_name | start_date | end_date
-----+-----+-----+-----
204 | Marketing Blitz | 2025-02-01 | 2025-06-30
(1 row)

employees_management=#
```

33. Calculate total days between project start and end dates.


```
employees_management=# SELECT project_name, end_date - start_date AS project_length FROM projects WHERE end_date IS NOT NULL;
 project_name | project_length
-----
HR Revamp    | 364
Finance Automation | 350
Marketing Blitz 2025 | 149
Legal Compliance | 184
Customer Portal | 364
Sales Booster | 364
Procurement Tracker | 245
Operations Streamline | 365
(8 rows)
```

34. Format date: '2025-07-23' to 'July 23, 2025' (use CONCAT).

```
employees_management=# SELECT TO_CHAR(DATE '2025-07-23', 'Month DD, YYYY') AS formatted_date;
 formatted_date
-----
July      23, 2025
(1 row)

employees_management=#
```

35. Add a CASE: if project still active (end_date IS NULL), show 'Ongoing'.

```
employees_management=# SELECT project_name, CASE WHEN end_date IS NULL THEN 'Ongoing' ELSE 'Completed' END AS status FROM projects;
 project_name | status
-----
HR Revamp    | Completed
Finance Automation | Completed
IT Infrastructure Upgrade | Ongoing
Marketing Blitz 2025 | Completed
Legal Compliance | Completed
Customer Portal | Completed
Sales Booster | Completed
R&D Pilot    | Ongoing
Procurement Tracker | Completed
Operations Streamline | Completed
(10 rows)
```

Conditional Function exercises (15)

36. Use CASE to label salaries.

```
employees_management=# SELECT salary, CASE WHEN salary > 6000 THEN 'Top Earner' WHEN salary BETWEEN 4000 AND 6000 THEN 'Average' ELSE 'Low Earner' END AS salary_label FROM employees;
 salary | salary_label
-----
4500.00 | Average
5200.00 | Average
6700.00 | Top Earner
3800.00 | Low Earner
4000.00 | Average
6000.00 | Average
4900.00 | Average
3100.00 | Low Earner
2700.00 | Low Earner
3600.00 | Low Earner
(10 rows)
```

37. Use COALESCE to show 'No Email' if email is NULL.

```
employees_management=# SELECT COALESCE(email, 'No Email') AS safe_email FROM employees;
 safe_email
-----
alice.johnson@company.com
bob.smith@company.com
carol.adams@company.com
david.lee@company.com
eve.martins@company.com
frank.green@company.com
grace.brown@company.com
hank.wilson@company.com
ivy.clark@company.com
jake.white@company.com
(10 rows)
```

38. CASE: If hire_date < 2015, mark as 'Veteran'.

```
employees_management=# SELECT first_name, CASE WHEN hire_date < '2015-01-01' THEN 'Veteran' ELSE 'New' END AS status FROM employees;
 first_name | status
-----
Alice      | New
Bob        | New
Carol      | Veteran
David      | New
Eve        | New
Frank      | New
Grace      | Veteran
Hank       | Veteran
Ivy        | New
Jake       | New
(10 rows)
```

39. If salary is NULL, default it to 3000 using COALESCE.

```
employees_management=# SELECT COALESCE(salary, 3000) AS adjusted_salary FROM employees;
 adjusted_salary
-----
4500.00
5200.00
6700.00
3800.00
4000.00
6000.00
4900.00
3100.00
2700.00
3600.00
(10 rows)
```

40. CASE: Categorize departments (IT, HR, Other).

```
employees_management=# SELECT department_name, CASE WHEN department_name = 'Information Technology' THEN 'Tech' WHEN department_name = 'Human Resources' THEN 'People' ELSE
'Other' END AS dept_type FROM departments;
 department_name | dept_type
-----
 Human Resources | People
 Finance         | Other
 Information Technology | Tech
 Marketing        | Other
 Legal            | Other
 Operations       | Other
 Customer Service | Other
 Sales            | Other
 Research and Development | Other
 Procurement      | Other
(10 rows)
```

41. CASE: If employee has no project, mark as 'Unassigned'.

```
employees_management=# SELECT e.employee_id, first_name, CASE WHEN ep.employee_id IS NULL THEN 'Unassigned' ELSE 'Assigned' END AS project_status FROM employees e LEFT JOIN
employee_projects ep ON e.employee_id = ep.employee_id;
 employee_id | first_name | project_status
-----
      101 | Alice      | Assigned
      102 | Bob        | Assigned
      103 | Carol      | Assigned
      104 | David      | Assigned
      105 | Ivy        | Assigned
      106 | Frank      | Assigned
      107 | Grace      | Assigned
      108 | Hank      | Assigned
      109 | Ivy        | Assigned
      110 | Jake       | Assigned
(10 rows)
```

42. CASE: Show tax band based on salary.

```
employees_management=# SELECT salary, CASE WHEN salary > 6000 THEN '30%' WHEN salary > 4000 THEN '20%' ELSE '10%' END AS tax_band FROM employees;
 salary | tax_band
-----
 4500.00 | 20%
 5200.00 | 20%
 6700.00 | 30%
 3800.00 | 10%
 4000.00 | 10%
 6000.00 | 20%
 4900.00 | 20%
 3100.00 | 10%
 2700.00 | 10%
 3600.00 | 10%
(10 rows)
```

43. Use nested CASE to label project duration.

```
employees_management=# SELECT project_name, CASE WHEN (end_date - start_date) > 365 THEN 'Long-term' WHEN (end_date - start_date) > 180 THEN 'Medium-term' ELSE 'Short-term'
END AS duration_type FROM projects WHERE end_date IS NOT NULL;
 project_name | duration_type
-----
 HR Revamp    | Medium-term
 Finance Automation | Medium-term
 Marketing Blitz 2025 | Short-term
 Legal Compliance | Medium-term
 Customer Portal | Medium-term
 Sales Booster  | Medium-term
 Procurement Tracker | Medium-term
 Operations Streamline | Medium-term
(8 rows)
```

44. Use CASE with MOD to show even/odd salary IDs.

```
employees_management=# SELECT employee_id, salary, CASE WHEN MOD(employee_id, 2) = 0 THEN 'Even' ELSE 'Odd' END AS id_type FROM employees;
 employee_id | salary | id_type
-----
      101 | 4500.00 | Odd
      102 | 5200.00 | Even
      103 | 6700.00 | Odd
      104 | 3800.00 | Even
      105 | 4000.00 | Odd
      106 | 6000.00 | Even
      107 | 4900.00 | Odd
      108 | 3100.00 | Even
      109 | 2700.00 | Odd
      110 | 3600.00 | Even
(10 rows)
```

45. Combine COALESCE + CONCAT for fallback names.

```
employees_management=# SELECT COALESCE(CONCAT(first_name, ' ', last_name), 'Unnamed') AS display_name FROM employees;
display_name
-----
Alice Johnson
Bob Smith
Carol Adams
David Lee
Eve Martins
Frank Green
Grace Brown
Hank Wilson
Ivy Clark
Jake White
(10 rows)
```

46. CASE with LENGTH(): if name length > 10, label “Long Name”.

```
employees_management=# SELECT first_name, CASE WHEN LENGTH(first_name) > 10 THEN 'Long Name' ELSE 'Normal' END AS name_type FROM employees;
first_name | name_type
-----
Alice      | Normal
Bob        | Normal
Carol      | Normal
David      | Normal
Eve        | Normal
Frank      | Normal
Grace      | Normal
Hank       | Normal
Ivy        | Normal
Jake       | Normal
(10 rows)
```

47. CASE + UPPER(): if email has ‘TEST’, mark as dummy account.

```
employees_management=# SELECT email, CASE WHEN UPPER(email) LIKE '%TEST%' THEN 'Dummy' ELSE 'Real' END AS email_type FROM employees;
email | email_type
-----
alice.johnson@company.com | Real
bob.smith@company.com | Real
carol.adams@company.com | Real
david.lee@company.com | Real
eve.martins@company.com | Real
frank.green@company.com | Real
grace.brown@company.com | Real
hank.wilson@company.com | Real
ivy.clark@company.com | Real
jake.white@company.com | Real
(10 rows)
```

48. CASE: Show seniority based on hire year (e.g., Junior/Senior).

```
employees_management=# SELECT first_name, CASE WHEN EXTRACT(YEAR FROM hire_date) < 2015 THEN 'Senior' WHEN EXTRACT(YEAR FROM hire_date) >= 2020 THEN 'Junior' ELSE 'Mid-level' END AS seniority FROM employees;
first_name | seniority
-----
Alice      | Mid-level
Bob        | Mid-level
Carol      | Senior
David      | Junior
Eve        | Mid-level
Frank      | Mid-level
Grace      | Senior
Hank       | Senior
Ivy        | Junior
Jake       | Junior
(10 rows)
```

49. Use CASE to determine salary increment range.

```
employees_management=# SELECT salary, CASE WHEN salary < 4000 THEN 'Raise by 20%' WHEN salary < 6000 THEN 'Raise by 10%' ELSE 'No raise' END AS increment_plan FROM employee
s;
 salary | increment_plan
-----|-----
 4500.00 | Raise by 10%
 5200.00 | Raise by 10%
 6700.00 | No raise
 3000.00 | Raise by 20%
 4000.00 | Raise by 10%
 6000.00 | No raise
 4500.00 | Raise by 10%
 3100.00 | Raise by 20%
 2700.00 | Raise by 20%
 3600.00 | Raise by 20%
(10 rows)
```

50. Use CASE with CURDATE() to determine anniversary month.

```
employees_management=# SELECT first_name, CASE WHEN EXTRACT(MONTH FROM hire_date) = EXTRACT(MONTH FROM CURRENT_DATE) THEN 'Anniversary Month' ELSE 'Not Anniversary' END AS
anniversary_status FROM employees;
 first_name | anniversary_status
-----|-----
 Alice      | Not Anniversary
 Bob        | Not Anniversary
 Carol      | Not Anniversary
 David      | Not Anniversary
 Eve        | Not Anniversary
 Frank      | Anniversary Month
 Grace      | Not Anniversary
 Hank      | Not Anniversary
 Ivy        | Not Anniversary
 Jake       | Not Anniversary
(10 rows)
```