## Homework 10

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Problem 1
SELECT LAST_DAY(DATE_ADD(CURRENT_DATE(), INTERVAL -3 MONTH));
Problem 2
SELECT
      job_id,
      SUM(salary) AS total_salary,
      MAX(salary) AS max_salary,
      MIN(salary) AS min_salary,
      AVG(salary) AS avg_salary
FROM employees
WHERE department_id = 90
GROUP BY job_id;
Problem 3
SELECT DATE_FORMAT(CURRENT_DATE(),'%m/%d/%Y');
Problem 4
SELECT
      job_id,
      MAX(salary) AS max_salary
FROM employees
GROUP BY job id
HAVING MAX(salary) >= 4000;
Problem 5
SELECT
      job id,
      AVG(salary) AS avg_salary
FROM employees
WHERE job id != 'IT PROG';
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Problem 6
SELECT
      manager_id,
      MIN(salary) AS min_salary
FROM employees
GROUP BY manager_id
ORDER BY min_salary DESC;
Problem 7
SELECT
      first_name,
      hire_date,
      DATEDIFF(CURRENT_DATE(), hire_date)/365 AS experience
FROM employees;
Problem 8
SELECT
      YEAR(hire_date) AS year
```

FROM employees
GROUP BY YEAR(hire\_date)

HAVING COUNT(employee\_id) > 10;

## Problem 9

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SELECT
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b.department\_name,
 CONCAT(a.first\_name, '', a.last\_name) AS name,
 a.salary

FROM employees a

LEFT JOIN departments b

ON a.department\_id = b.department\_id

WHERE

a.manager\_id = a.employee\_id

AND DATEDIFF('08-01-1992', hire\_date)/365 > 5;

## Problem 10

## SELECT

department\_id,
YEAR(hire\_date) AS hiring\_year,
COUNT(employee\_id) AS join\_count
FROM employees
GROUP BY department\_id, YEAR(hire\_date)
ORDER BY department\_id ASC;