

Course: DMSL

Section-C

Instructor: JMH

Important Queries for performance test-1:

1. SELECT * FROM employees;
2. SELECT id, first_name, last_name, email FROM employees;
3. SELECT id, first_name, last_name, email, designation, department FROM employees;
4. SELECT id, first_name, last_name, email, designation, department, gender
FROM employees
WHERE gender='Male';
5. SELECT id, first_name, last_name, email, designation, department
FROM employees
WHERE department='Computer Science and engineering';
6. SELECT id, first_name, last_name, email, designation, department, gender
FROM employees
WHERE department='Computer Science and engineering' AND gender='Female';
7. SELECT id, first_name, last_name, email, designation, department, gender
FROM employees
WHERE department='Computer Science and engineering' AND gender='Female' AND
designation='software developer';
8. SELECT id, first_name, last_name, email, designation, department, gender
FROM employees
WHERE designation='software developer' OR designation='Professor';
9. SELECT id, CONCAT(first_name,' ', last_name), email, designation, department, gender
FROM employees
WHERE designation='software developer' OR designation='Professor';
10. SELECT id, CONCAT(first_name,' ', last_name) AS full_name, email, designation, department,
gender
FROM employees
WHERE designation='software developer' OR designation='Professor';
11. SELECT id, CONCAT(first_name,' ', last_name) AS full_name, email AS email_address,
designation, department, gender, salary
FROM employees
WHERE salary BETWEEN 172000 AND 200000;

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12. SELECT id, CONCAT(first_name,' ', last_name) AS full_name, email AS email_address,
designation, department, gender, salary
FROM employees
WHERE salary BETWEEN 172000 AND 200000
ORDER BY salary ASC;
13. SELECT id, CONCAT(first_name,' ', last_name) AS full_name, email AS email_address,
designation, department, gender, salary
FROM employees
WHERE salary BETWEEN 172000 AND 200000
ORDER BY salary DESC;
14. SELECT DISTINCT(country) FROM employees;
15. SELECT first_name, last_name, country
FROM employees
where country='Germany' or country='France' or country='Italy';
16. SELECT first_name, last_name, country
FROM employees
where country IN('Germany','France','Italy');
17. SELECT first_name, last_name, country
FROM employees
where country NOT IN('Germany','France','Italy');
18. SELECT first_name, last_name
FROM employees
where first_name LIKE 'a%o';
19. SELECT first_name, last_name
FROM employees
where last_name LIKE '%dem%';
20. SELECT first_name, last_name
FROM employees
where last_name LIKE 'dem%';
21. SELECT first_name, last_name
FROM employees
where last_name LIKE '___r%';

Queries Related to Date:

- Show the 15th day information from current date
SELECT ADDDATE(CURDATE(), INTERVAL 15 DAY);

- Show some columns where joining date was june
select first_name, last_name, joining_date, MONTHNAME(joining_date)
from employees
where MONTHNAME(joining_date)="June";
- Show some columns where joining date was either june or september or february
select first_name, last_name, joining_date, MONTHNAME(joining_date)
from employees
where MONTHNAME(joining_date) IN ("June", "September", "February");

alternate

```
select first_name, last_name, joining_date, MONTH(joining_date)
from employees
where MONTH(joining_date) IN (6, 9, 2);
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- Show some columns having birth date as the format: 28th June, 2022
select first_name, last_name, birth_date, DATE_FORMAT(birth_date, "%D %M, %Y")
from employees;
- Show total number of rows / total employees where joining date was either june or september or february
select COUNT(*)
from employees
where MONTHNAME(joining_date) IN ("June", "September", "February");
- Find the total number of employees whose date of birth is June and from computer science
select count(joining_date)
from employees
where MONTHNAME(birth_date)="June" and department="computer science and engineering";
- Find the average salary of employees whose date of birth is June and from computer science
select avg(salary)
from employees
where MONTHNAME(birth_date)="June" and department="computer science and engineering";
- Find the maximum salary of employees whose date of birth is June and from computer science

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- Find the minimum salary of employees whose date of birth is June and from computer science
- Find the total salary of employees whose date of birth is June and from computer science
- Find the maximum salary of each department
select department, MAX(salary)
from employees
group by department;
- Find the minimum salary of each department
select department, MIN(salary)
from employees
group by department;
- Show all department where minimum salary of each department is greater than 8100
select department, MIN(salary)
from employees
group by department HAVING MIN(salary)>8100;