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Roll: 32201219060

Stream: BCA (4th semester)

Batch: B1

1. SELECT first\_name, last\_name FROM employees WHERE salary > ( SELECT salary FROM employees WHERE employee\_id=163 );
2. SELECT first\_name, last\_name, salary, department\_id, job\_id FROM employees WHERE job\_id = ( SELECT job\_id FROM employees WHERE employee\_id=169 );
3. SELECT first\_name, last\_name, salary, department\_id FROM employees WHERE salary IN ( SELECT MIN(salary) FROM employees GROUP BY department\_id );
4. SELECT employee\_id, first\_name,last\_name FROM employees WHERE salary > ( SELECT AVG(salary) FROM employees );
5. SELECT first\_name, last\_name, employee\_id, salary FROM employees WHERE manager\_id = (SELECT employee\_id FROM employees WHERE first\_name = 'Payam' );
6. SELECT e.department\_id, e.first\_name, e.job\_id , d.department\_name FROM employees e , departments d WHERE e.department\_id = d.department\_id AND d.department\_name = 'Finance';
7. SELECT \* FROM employees WHERE (salary,manager\_id)=(SELECT 3000,121);
8. SELECT \* FROM employees WHERE employee\_id IN (134,159,183);
9. SELECT \* FROM employees WHERE salary BETWEEN (SELECT MIN(salary) FROM employees) AND 2500;
10. SELECT \* FROM employees WHERE department\_id NOT IN (SELECT department\_id FROM departments WHERE manager\_id BETWEEN 100 AND 200);
11. SELECT first\_name, last\_name, hire\_date FROM employees WHERE department\_id = ( SELECT department\_id FROM employees WHERE first\_name = 'Clara') AND first\_name <> 'Clara';
12. SELECT employee\_id, first\_name, last\_name FROM employees WHERE department\_id IN ( SELECT department\_id FROM employees WHERE first\_name LIKE '%T%' );
13. SELECT employee\_id, first\_name , salary FROM employees WHERE salary > (SELECT AVG (salary) FROM employees ) AND department\_id IN ( SELECT department\_id FROM employees WHERE first\_name LIKE '%J%');
14. SELECT first\_name, last\_name, employee\_id, job\_id FROM employees WHERE department\_id = (SELECT department\_id FROM departments WHERE location\_id = (SELECT location\_id FROM locations WHERE city ='Toronto'));
15. SELECT employee\_id,first\_name,last\_name,job\_id FROM employees WHERE salary < ANY ( SELECT salary FROM employees WHERE job\_id = 'MK\_MAN' );
16. SELECT employee\_id,first\_name,last\_name, job\_id FROM employees WHERE salary < ANY ( SELECT salary FROM employees WHERE job\_id = 'MK\_MAN' ) AND job\_id <> 'MK\_MAN' ;
17. SELECT employee\_id, first\_name, last\_name, job\_id FROM employees WHERE salary > ALL ( SELECT AVG(salary) FROM employees GROUP BY department\_id );
18. SELECT first\_name, last\_name, department\_id FROM employees WHERE EXISTS (SELECT \* FROM employees WHERE salary >3700 );
19. SELECT departments.department\_id, result1.total\_amt FROM departments,( SELECT employees.department\_id, SUM(employees.salary) total\_amt FROM employees GROUP BY department\_id) result1 WHERE result1.department\_id = departments.department\_id;
20. SELECT employee\_id, first\_name, last\_name, salary, CASE WHEN salary >= (SELECT AVG(salary) FROM employees) THEN 'HIGH' ELSE 'LOW' END AS SalaryStatus FROM employees;
21. SELECT employee\_id, first\_name, last\_name, salary AS SalaryDrawn, ROUND((salary -(SELECT AVG(salary) FROM employees)),2) AS AvgCompare, CASE WHEN salary >= (SELECT AVG(salary) FROM employees) THEN 'HIGH' ELSE 'LOW' END AS SalaryStatus FROM employees;
22. SELECT first\_name FROM employees WHERE department\_id IN (SELECT department\_id FROM departments WHERE location\_id IN (SELECT location\_id FROM locations WHERE country\_id = (SELECT country\_id FROM countries WHERE country\_name='United Kingdom')));
23. SELECT last\_name FROM employees WHERE department\_id IN (SELECT department\_id FROM departments WHERE department\_name LIKE 'IT%') AND salary > (SELECT avg(salary) FROM employees);
24. SELECT first\_name,last\_name FROM employees WHERE manager\_id IN (SELECT employee\_id FROM employees WHERE department\_id IN (SELECT department\_id FROM departments WHERE location\_id IN (SELECT location\_id FROM locations WHERE country\_id='US')));
25. SELECT e1.first\_name, e1.last\_name FROM employees e1 WHERE salary > ( SELECT (SUM(salary))\*.5 FROM employees e2 WHERE e1.department\_id=e2.department\_id);
26. SELECT \* FROM employees WHERE EXISTS (SELECT \* FROM departments WHERE manager\_id = employee\_id);
27. SELECT a.employee\_id, a.first\_name, a.last\_name, a.salary, b.department\_name, c.city FROM employees a, departments b, locations c WHERE a.salary = (SELECT MAX(salary)

FROM employees WHERE hire\_date BETWEEN '01/01/2002' AND '12/31/2003') AND a.department\_id=b.department\_id AND b.location\_id=c.location\_id;

1. SELECT department\_id, department\_name FROM departments WHERE location\_id = ( SELECT location\_id FROM locations WHERE city = 'London');
2. SELECT first\_name, last\_name , salary, department\_id FROM employees WHERE salary > (SELECT AVG(salary) FROM employees) ORDER BY salary DESC;
3. SELECT first\_name, last\_name, salary, department\_id FROM employees WHERE salary > ANY (SELECT salary FROM employees WHERE department\_id = 40);
4. SELECT department\_name, department\_id FROM departments WHERE location\_id = ( SELECT location\_id FROM departments WHERE department\_id = 30);
5. SELECT first\_name, last\_name, salary, department\_id FROM employees WHERE department\_id = (SELECT department\_id FROM employees WHERE employee\_id = 201);
6. SELECT first\_name, last\_name, salary, department\_id FROM employees WHERE salary IN (SELECT salary FROM employees WHERE department\_id = 40);
7. SELECT first\_name, last\_name, department\_id FROM employees WHERE department\_id = (SELECT department\_id FROM departments WHERE department\_name = 'Marketing');
8. SELECT first\_name, last\_name, salary, department\_id FROM employees WHERE salary > ANY (SELECT salary FROM employees WHERE department\_id = 40);
9. SELECT first\_name, last\_name, salary, department\_id FROM employees WHERE salary < (SELECT AVG(salary) FROM employees ) AND department\_id = (SELECT department\_id FROM employees WHERE first\_name = 'Laura');
10. SELECT first\_name, last\_name, salary, department\_id FROM employees WHERE department\_id IN (SELECT department\_id FROM departments WHERE location\_id = (SELECT location\_id FROM locations WHERE city = 'London'));
11. SELECT \* FROM departments WHERE DEPARTMENT\_ID IN (SELECT DEPARTMENT\_ID FROM employees WHERE EMPLOYEE\_ID IN (SELECT EMPLOYEE\_ID FROM job\_history GROUP BY EMPLOYEE\_ID HAVING COUNT(EMPLOYEE\_ID) > 1) GROUP BY DEPARTMENT\_ID HAVING MAX(SALARY) > 7000);
12. SELECT \* FROM departments WHERE department\_id IN ( SELECT department\_id FROM employees GROUP BY department\_id HAVING MIN(salary)>=8000);
13. SELECT first\_name || ' ' || last\_name AS Manager\_name,department\_id FROM employees WHERE employee\_id IN (SELECT manager\_id FROM employees GROUP BY manager\_id HAVING COUNT(\*)>=4);