Started on	Monday, 7 April 2025, 1:57 PM
State	Finished
Completed on	Monday, 7 April 2025, 2:05 PM
Time taken	7 mins 32 secs
Marks	5.00/10.00
Grade	**50.00** out of 100.00

Question 1

Incorrect

Mark 0.00 out of 1.00

What is the output of the following query?

SELECT COUNT(DISTINCT department_id), department_id FROM employees GROUP BY department_id;

a. Displays the department IDs along with their counts for each department.

b. Returns the count of unique employees across all departments.

c. Returns the number of unique departments, along with their department IDs.

d. Returns the count of distinct employees in each department. ✖

Your answer is incorrect.

Question 2

Incorrect

Mark 0.00 out of 1.00

Which of the following aggregation functions can be used with GROUP BY to calculate the total sales in each department?

a. SELECT department_id, COUNT(sales) FROM employees GROUP BY department_id; ✖

b. SELECT department_id, SUM(sales) FROM employees GROUP BY department_id;

c. SELECT department_id, AVG(sales) FROM employees GROUP BY department_id;

d. SELECT department_id, MAX(sales) FROM employees GROUP BY department_id;

Your answer is incorrect.

Question 3

Correct

Mark 1.00 out of 1.00

Which query returns all employees who earn more than the average salary in their respective departments?

a. SELECT employee_name, salary, department_id ✔
FROM employees
WHERE salary > (SELECT AVG(salary)
FROM employees
WHERE department_id = employees.department_id);

b. SELECT employee_name, salary, department_id
FROM employees
WHERE salary > (SELECT MAX(salary)
FROM employees
WHERE department_id = employees.department_id);

c. SELECT employee_name, salary, department_id
FROM employees
WHERE salary = (SELECT AVG(salary)
FROM employees
WHERE department_id = employees.department_id);

d. SELECT employee_name, salary, department_id
FROM employees
WHERE salary > (SELECT MIN(salary)
FROM employees
WHERE department_id = employees.department_id);

Your answer is correct.

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following SQL query is correct for selecting the name of staffs from staffinfo table where salary is 10,000 or 25,000?

a. SELECT name FROM staffinfo WHERE salary BETWEEN 10000 AND 25000;

b. Both A and B

c. None of the above

d. SELECT name FROM staffinfo WHERE salary IN (10000, 25000); ✔

Your answer is correct.

Question 5

Incorrect

Mark 0.00 out of 1.00

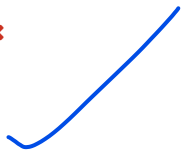
Which of the following statement can be used to apply the PRIMARY KEY constraint to a column of an existing table?

a. ALTER TABLE TABLE_NAME column_name ADD PRIMARY KEY;

b. ALTER TABLE Persons PRIMARY KEY (ID);

c. ALTER TABLE TABLE_NAME ADD column_name PRIMARY KEY; ✖

d. ALTER TABLE TABLE_NAME ADD PRIMARY KEY (column_name);



Your answer is incorrect.

Question 6

Correct

Mark 1.00 out of 1.00

Which query will return the highest priced product in each category?

a. SELECT category_id, product_name, price ✔
FROM products
WHERE price = (SELECT MAX(price) FROM products WHERE category_id = products.category_id);

b. SELECT category_id, product_name, price
FROM products
WHERE price < (SELECT MAX(price) FROM products WHERE category_id = products.category_id);

c. SELECT category_id, product_name, price
FROM products
WHERE price > (SELECT MAX(price) FROM products WHERE category_id = products.category_id);

d. SELECT category_id, product_name, price
FROM products
WHERE price = (SELECT MIN(price) FROM products WHERE category_id = products.category_id);

Your answer is correct.

Question 7

Incorrect

Mark 0.00 out of 1.00

Which query will return the total number of employees in each department?

a. SELECT department_id, SUM(employee_id)
FROM employees
GROUP BY department_id;

b. SELECT department_id, COUNT(employee_id)
FROM employees
GROUP BY department_id;

c. SELECT department_id, COUNT(employee_id)
FROM employees
WHERE department_name = (SELECT department_name FROM departments);

d. SELECT department_id, COUNT(*)
FROM employees
WHERE department_id = (SELECT department_id FROM employees);

Your answer is incorrect.

Question 8

Correct

Mark 1.00 out of 1.00

How many conditions are required to join N number of tables?

a. N conditions

b. N-1 conditions ✔

c. N+1 conditions

d. N-2 conditions

Your answer is correct.

Question 9

Incorrect

Mark 0.00 out of 1.00

Which of the following operators is used to compare two values for equality in SQL?

a. <=

b. == ✖

c. = ✓

d. ===

Your answer is incorrect.

Question 10

Correct

Mark 1.00 out of 1.00

Which SQL keyword is used to sort the data returned by a SELECT statement?

a. Group By

b. Order By ✔

c. Order

d. Group

Your answer is correct.