

Started on	Wednesday, 6 August 2025, 4:15 PM
State	Finished
Completed on	Wednesday, 6 August 2025, 4:27 PM
Time taken	11 mins 47 secs
Marks	17.00/20.00
Grade	85.00 out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

In nested subqueries, which part is executed first?

- ☒ a. The innermost SELECT
- ☐ b. The WHERE clause
- ☐ c. The JOIN clause
- ☐ d. The outermost SELECT

Question 2

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

What does the following SQL do: `SELECT * FROM A, B WHERE A.id = B.id`?

- ☐ a. Right outer join
- ☐ b. Left outer join
- ☐ c. Cartesian join
- ☒ d. Implicit inner join

Question 3

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

What is the output of this query: `SELECT TRIM(' SQL ')`?

- ☐ a. 'SQL '
- ☐ b. ' SQL '
- ☒ c. 'SQL'
- ☐ d. ' SQL'

Question 4

Complete

Mark 0.00 out of 1.00

 [Flag question](#)

What will be the result of: `SELECT LENGTH(' hello ')`?

?

- ☐ a. 6
- ☐ b. 7
- ☒ c. 5
- ☐ d. 9

Question 5

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which clause is needed to filter results of an aggregate function?

- ☒ a. HAVING
- ☐ b. ORDER BY
- ☐ c. WHERE
- ☐ d. GROUP BY

Question 6

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which function will return the current date and time in SQL?

- ☐ a. GETDATE()
- ☒ b. All of the above
- ☐ c. SYSDATE
- ☐ d. CURRENT_TIMESTAMP

Question 7

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which JOIN returns only the rows with matching values in both tables?

- ☐ a. RIGHT JOIN
- ☐ b. LEFT JOIN
- ☒ c. INNER JOIN
- ☐ d. FULL OUTER JOIN

Question 8

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which JOIN will include unmatched rows from both tables?

?

- ☒ a. FULL OUTER JOIN
- ☐ b. INNER JOIN
- ☐ c. CROSS JOIN
- ☐ d. LEFT JOIN

Question 9

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which of the following expressions will convert '2024-03-15' to just the month?

- ☒ a. All of the above
- ☐ b. TO_CHAR('2024-03-15', 'MM')
- ☐ c. MONTH('2024-03-15')
- ☐ d. EXTRACT(MONTH FROM '2024-03-15')

Question 10

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which of the following is a correlated query that returns the highest paid employee in each department?

- ☐ a. SELECT * FROM employees WHERE dept_id IN (SELECT dept_id FROM employees);
- ☐ b. SELECT MAX(salary) FROM employees GROUP BY dept_id;
- ☒ c. SELECT e1.* FROM employees e1 WHERE salary = (SELECT MAX(salary) FROM employees e2 WHERE e2.dept_id = e1.dept_id);
- ☐ d. SELECT * FROM employees WHERE salary = (SELECT MAX(salary) FROM employees);

Question 11

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which of the following is true about correlated subqueries?

- ☐ a. They are always more efficient than joins
- ☐ b. They cannot reference columns from the outer query
- ☒ c. They execute once for every row in the outer query
- ☐ d. They execute only once like normal subqueries

Question 12

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which of the following produces the same result as an INNER JOIN?

?

- ☐ a. CROSS JOIN without condition
- ☒ b. WHERE clause with join condition
- ☐ c. LEFT JOIN + IS NOT NULL
- ☐ d. FULL OUTER JOIN

Question 13

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which of the following will find strings starting with 'Data' in a column?

- ☐ a. WHERE col LIKE '%Data%'
- ☐ b. WHERE col LIKE '_Data%'
- ☒ c. WHERE col LIKE 'Data%'
- ☐ d. WHERE col LIKE '%Data_'

Question 14

Complete

Mark 0.00 out of 1.00

 [Flag question](#)

Which query correctly returns all rows from the "employees" table that have the same department_id as employee_id = 5?

- ☐ a. SELECT * FROM employees WHERE department_id = (SELECT department_id FROM employees WHERE employee_id = 5);
- ☐ b. SELECT * FROM employees WHERE department_id = (SELECT department_id FROM employees);
- ☒ c. SELECT * FROM employees WHERE department_id = ALL(SELECT department_id FROM employees WHERE employee_id = 5);
- ☐ d. SELECT * FROM employees WHERE employee_id = 5;

Question 15

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which query gives the names of departments with more than 5 employees using a correlated subquery?

- ☐ a. SELECT name FROM departments WHERE id IN (SELECT dept_id FROM employees GROUP BY dept_id HAVING COUNT(*) > 5);
- ☐ b. SELECT name FROM departments WHERE 5 < (SELECT COUNT(*) FROM employees);
- ☐ c. SELECT name FROM departments d WHERE 5 < (SELECT COUNT(*) FROM employees e WHERE e.dept_id = d.id);
- ☒ d. Both B and C

Question 16

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which SQL expression extracts only the day from a date column?

?

- ☐ a. TO_CHAR(date, 'DD')
- ☐ b. EXTRACT(DAY FROM date)
- ☒ c. All of the above
- ☐ d. DAY(date)

Question 17

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which SQL function is used to extract only the year from a DATE column?

- ☐ a. EXTRACT('MONTH' FROM date)
- ☒ b. YEAR(date)
- ☐ c. TO_YEAR(date)
- ☐ d. DATE_PART('YEAR', date)

Question 18

Complete

Mark 0.00 out of 1.00

 [Flag question](#)

Which SQL function returns the number of characters in a string (excluding trailing spaces)?

- ☒ a. LENGTH()
- ☐ b. CHAR_LENGTH()
- ☐ c. LEN()
- ☐ d. DATALENGTH()

Question 19

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which statement about CROSS JOIN is true?

- ☒ a. It creates a Cartesian product of the two tables
- ☐ b. It returns only matched records
- ☐ c. It requires a WHERE clause
- ☐ d. It is equivalent to an INNER JOIN with ON clause

Question 20

Complete

Mark 1.00 out of 1.00

 [Flag question](#)

Which string function is used to replace part of a string in SQL?

?

- ☐ a. UPDATE()
- ☒ b. REPLACE()
- ☐ c. SUBSTITUTE()
- ☐ d. TRANSLATE()

[Finish review](#)