

# Quiz 3

## Databases

11 March 2026

Full name: .....

You have 10 minutes to answer this quiz, directly on this sheet of paper. No electronic devices or material of any kind is allowed. Do not forget to add your name above. Every question amounts to 2 points; the quiz is graded out of 10 points.

### Questions

**Q1.** Circle all correct answers (there may be more than one). Which of the following SQL clauses can be used to remove duplicates from the result?

- a. DISTINCT
- b. LIMIT
- c. ORDER BY
- d. GROUP BY

**Q2.** Consider the SQL query:

```
SELECT *  
FROM Reservation  
ORDER BY arrival DESC  
LIMIT 2;
```

Explain in English what this query returns. ....

**Q3.** Consider the SQL query:

```
SELECT room, AVG(nights)  
FROM Reservation  
GROUP BY room;
```

Circle the only correct answer.

- a. The query returns one row per guest.
- b. The query returns a single row for the whole table.
- c. The query returns one row per reservation.
- d. The query returns one row per room.

**Q4.** Consider the SQL query (we assume that `guest` is declared NOT NULL in `Reservation`):

```
SELECT name
FROM Guest
WHERE id NOT IN (
    SELECT guest
    FROM Reservation
);
```

Explain in English what this query returns. ....  
.....

**Q5.** Circle the correct answer.

Which SQL clause filters groups *after aggregation*?

- a. LIMIT
- b. WHERE
- c. ORDER BY
- d. HAVING