


# Introduction to SQL, Room, and Flow

Let's do a quick test! You must answer at least 7 questions correctly to pass this quiz.





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1. True or False: `INSERT` , `UPDATE` , and `DELETE` can be used to modify multiple rows in a data table.

- ☒ True  Correct!
- ☐ False

2. Which of the following are true about the `DISTINCT` keyword?


*Choose as many answers as you see fit.*

- ☒ The `DISTINCT` keyword can be used in an aggregate function.  Correct!
- ☐ The `DISTINCT` keyword can be used to determine all the unique values in a column.
- ☒ The `DISTINCT` keyword can only be used when selecting a single column.  Correct!
- ☐ The `DISTINCT` keyword can be used as part of the `WHERE` clause.

3. Which order of clauses in a `SELECT` statement is correct?

- ☐ `WHERE` , `LIMIT` , `ORDER BY` , `GROUP BY`
- ☐ `WHERE` , `LIMIT` , `GROUP BY` , `ORDER BY`
- ☐ `WHERE` , `ORDER BY` , `GROUP BY` , `LIMIT`
- ☒ `WHERE` , `GROUP BY` , `ORDER BY` , `LIMIT`  Correct!

4. True or False: The `ORDER BY` clause returns results in descending order by default.

- ☐ True
- ☒ False  Correct!

5. Fill-in-the-blanks

*Enter one or more words to complete the sentence.*

SQL stands for `Structured Query Language` .




 Correct!

6. True or False: You can use the `*` to select all columns in a data table

- ☒ True  Correct!
- ☐ False

7. A primary key allows for:


*Choose as many answers as you see fit.*

- ☒ Databases to represent relationships between tables.  Correct!
- ☒ Rows in one table to reference rows in another table.  Correct!
- ☐ Contents of individual rows in a table to be unique.
- ☒ A unique identifier for each row in a table.  Correct!

8. Fill-in-the-blanks

*Enter one or more words to complete the sentence.*

Room is an ORM Library. ORM stands for `Object Relational Mapping` .

 Correct!

9. Which of the following are true about ListAdapter ?

Choose as many answers as you see fit.

- ☐ A ListAdapter is not a RecyclerViewAdapter , and thus, cannot be used with a RecyclerView .
- ☒ Like a RecyclerViewAdapter , a ListAdapter uses a ViewHolder class. ✓ Correct!
- ☒ ListAdapter makes use of DiffUtil . ✓ Correct!
- ☐ The implementation for areContentsTheSame() compares only the IDs between entities, whereas areItemsTheSame() compares all the properties.

10. Which of the following is false about using flow?


- ☐ Returning a regular type, like a list, from a DAO function won't allow your app to respond to data changes.
- ☐ Data returned as a flow can be processed using the collect() function.
- ☒ A flow can only be accessed from a coroutine. ✓ Correct!
- ☐ Flow is a Kotlin feature that returns multiple asynchronous computed values.

## Results

You scored 10 out of 10. Congratulations! You have passed this quiz.

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