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■■■ 75+ SQL Practice Questions

❍ Oracle
❍ MySQL
❍ SQL Server
❍ PostgreSQL
❍ SQLite

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Topics covered:

❶ Table
❷ Constraints
① Primary Key
② Unique
③ Not Null
④ Default
⑤ Check
⑥ Foreign Key
❸ Insert, Update, Delete
❹ Select

❶ Table

① Create a Table with a few fields by specifying their data types.

② Add a field to an existing table.

③ Modify a field's data type of a table.

④ Rename a field's name.

⑤ Remove a field from a table.

⑥ Rename a table's name.

⑦ Drop a table.

❷ Constraints

① Primary Key
② Unique
③ Not Null
④ Default
⑤ Check
⑥ Foreign Key

❷.① Primary Key

➤ Create a Table with
① a single field as the primary key
② 2 or, more fields as the primary key
...

➤ Add a primary key to an existing table
③ for a single field
④ for 2 or, more fields
...

❷.② Unique

➤ Create a Table with
① a single field unique
② 2 or, more fields combining unique
③ multiple unique fields
...

➤ Add a unique constraint to an existing table
④ for a single field
⑤ for 2 or, more fields combining
...

⑥ Drop a unique constraint

❷.③ Not Null

➤ Create a Table with
① one NOT NULL field
② multiple NOT NULL fields

...

③ Add NOT NULL constraint to an existing field
④ Remove NOT NULL constraint from an existing field

❷.④ Default

➤ Create a Table with DEFAULT value(s)
① for one field
② multiple fields
...

③ Add a DEFAULT value constraint to an existing field
④ Remove DEFAULT value constraint from an existing field

❷.⑤ Check

➤ Create a Table with CHECK constraint for
① a single field
② 2 or, more fields combining
③ multiple separated fields
...

➤ Add a CHECK constraint to an existing table
④ for a single field
⑤ for 2 or, more fields combining
...

⑥ Drop a CHECK constraint

❷.⑥ Foreign Key

➤ Create a Table with
① a single foreign key field
② 2 or, more fields combining foreign key
③ multiple foreign key fields
...

➤ Add a foreign key constraint to a table
④ for a single field
⑤ for 2 or, more fields combining
...

⑥ Drop a foreign key

❸ Insert, Update, Delete

① Insert a row into a table.
② Insert a row into a table by providing data for a few fields.
③ Insert multiple rows at a time into a table.
④ Insert into a table by selecting needed data from another table.

⑤ Update a specific field's data in a table.
⑥ Update a field's data for multiple rows at a time.
⑦ Delete a row from a table.
⑧ Delete multiple rows from a table.

❹ Select

① Fetch all rows from a table.
② Fetch only specific fields' data from a table.
③ Fetch only those rows that match a condition.
④ Apply multiple conditions.
⑤ Check if a field's data is NULL.
⑥ Check if a field's data is not NULL.

⑦ Check if a field's data starts with "NewY"
⑧ Check if a field's data ends with "don"
⑨ Check if a field's data contains "ijin"
⑩ Check if a field's data has "a" at 2nd position
①① Check if a field's data starts with "B" and, has at least 5 characters.

①② Check if a field's data starts with "B" and, ends with "a".
①③ Check if a field's data starts with "a" or, "o".
①④ Check if a field's data doesn't contain "a" or, "o" at the 2nd position.
①⑤ Check if a field's data ends with any character from "m" to "t".

①⑥ Check if a field's data is 1 or, 2 or, 3 or, 4 or, 5.
①⑦ Check if a field's data is in the range of 10 to 30.
①⑧ Check if a field's data is not in the range of 10 to 50.
①⑨ Fetch only distinct data contained in a field.
20. Fetch only the first 10 rows.

②① Fetch rows from 21 to 40.
②② Find the minimum value of a field.
②③ Find the maximum value of a field.
②④ Find the average value of a field.
②⑤ Find the sum of all values contained in a field.

②⑥ Find the number of rows fetched.
②⑦ Find the count of distinct data in a field.
②⑧ Fetch rows in ascending order for a field.
②⑨ Fetch rows in descending order for a field.

■ Final Words

■ Practice all these questions. Then, try to come up with your own questions by customizing all of these.

■ It's an ongoing series. I will share more practice questions on various topics of SQL. Stay tuned.

Happy Practicing. Happy Learning.

Hey ■

I am a Tech Educator and, Mentor from India ■■

I am sharing Tutorials, Infographics, Cheat Sheets, Practice Questions, Project Ideas and Roadmaps on Web Development, DSA and, Databases.

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