

Twitter Thread by Swapna Kumar Panda



Swapna Kumar Panda

@swapnakpanda



■■■ 75+ SQL Practice Questions

- ☐ Oracle
- ☐ MySQL
- ☐ SQL Server
- ☐ PostgreSQL
- ☐ SQLite



Topics covered:

- ❶ Table
- ❷ Constraints
 - ❶ Primary Key
 - ❷ Unique
 - ❸ Not Null
 - ❹ Default
 - ❺ Check
 - ❻ Foreign Key
- ❸ Insert, Update, Delete
- ❹ Select

❶ Table

- ❶ Create a Table with a few fields by specifying their data types.
- ❷ Add a field to an existing table.
- ❸ Modify a field's data type of a table.
- ❹ Rename a field's name.

⑤ Remove a field from a table.

⑥ Rename a table's name.

⑦ Drop a table.

② Constraints

① Primary Key

② Unique

③ Not Null

④ Default

⑤ Check

⑥ Foreign Key

②.① 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

...

②.② 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

②.③ 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

②.④ 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

②.⑤ 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

②.⑥ 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

③ 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.

④ 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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