

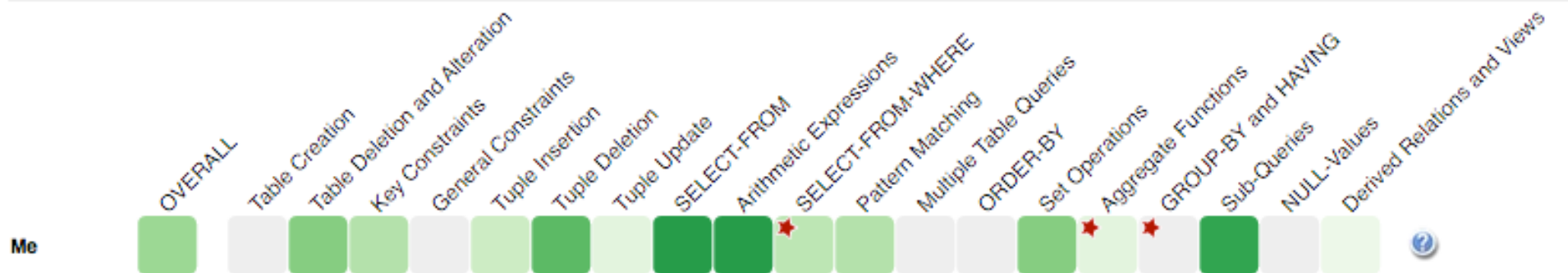


Mastery Grids User Manual

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Resource OVERALL ▾

My Progress



1 Select which type of resource progress is displayed in the grids (All, Examples, Quizzes and Overall)

2 The row (Me) shows **your progress** in topics. Darker color means more progress on the topic

3 Help explains the colors (darker means more progress)

4 Roll the mouse cursor over a topic cell to see your progress percentage on that topic itself (in tooltip) and compared to all topics (in bar chart)

Topic	Progress (%)
OVERALL	28%
Table Creation	10%
Table Deletion and Alteration	10%
Key Constraints	10%
General Constraints	10%
Tuple Insertion	10%
Tuple Deletion	10%
Tuple Update	10%
SELECT-FROM	10%
Arithmetic Expressions	10%
SELECT-FROM-WHERE	10%
Pattern Matching	10%
Multiple Table Queries	10%
ORDER-BY	10%
Set Operations	10%
Aggregate Functions	28%
GROUP-BY and HAVING	10%
Sub-Queries	10%
NULL-Values	10%
Derived Relations and Views	10%

5 Click on the a topic cell to display the activities inside (Examples, Quizzes)

The red star shows the topic/activity that system recommends to you to maximize your knowledge in SQL concepts

6 Click on the cells to see examples. An example shows a piece of SQL code

7 Click the code row (green bullet) to see explanations for the example line

Topic: Aggregate Functions • Activity: Aggregate Functions (2)

```

SELECT AVG(balance)
FROM account
WHERE branch_name = 'Perryridge';

```

This condition is to limit the retrieved data to 'Perryridge' branch.

8 Click on a quiz cell to see the question that includes a task



Topic: SELECT-FROM • Activity: SELECT-FROM question1

Question:

Based on the tables below, write the required SQL expression.

Task:

Show all the information contained in table "customer".

```
Select id from customer
```

9 To make the task you need to write a SQL statement here

Submit Answer

Go to SQL-Lab

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If you want to try SQL statements before submitting the question, you can use "Go To SQL-Lab" button. The following window will be open.

Table Name	Schema & Sample Data (click +/- to show/hide sample data)
accident(+)	report_number date location
actor(+)	actor_id first_name last_name last_update
address(+)	address_id address district city_id postal_code phone last_update

10 Use data in the tables defined here to write the SQL statement. Be aware that the tables show a sample of the data and they contains many more tuples.

11 Write a SQL statement and click the "Submit Answer" button
If the answer is true, this feedback is shown

```
Select * from customer
```

Well done! The answer is correct.

Try a similar question

Go to SQL-Lab

Table Name	Schema & Sample Data (click +/- to show/hide sample data)
accident(+)	report_number date location
actor(+)	actor_id first_name last_name last_update
address(+)	address_id address district city_id postal_code phone last_update

How difficult has this activity been for you?

Easy

Medium

Hard

12 Select one level to submit difficulty level for the question

SQLLab for question similar to

Task:

Show all the information contained in table "customer".

Here is a field that you can work with a sample DB to find out the solution to the question, you can :

```
Select * from customer
```

Run the Query

Close the Lab

Table Name	Schema & Data (click +/- to show/hide data)
accident(+)	report_number date location
actor(+)	actor_id first_name last_name last_update
address(+)	address_id address district city_id postal_code phone last_update
car(+)	license model year
category(+)	category_id name last_update
city(+)	city_id city country_id last_update
customer(+)	customer_id store_id first_name last_name email address_id active create_date last_update

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Write a SQL statement and click the «Run the Query" button. To close the screen and to return to the question, click «Close the Lab" button