

Submission Worksheet

CLICK TO GRADE

<https://learn.ethereallab.app/assignment/IT202-008-S2024/it202-sql-readings-and-quiz/grade/lm457>

IT202-008-S2024 - [IT202] SQL Readings and Quiz

Submissions:

Submission Selection

1 Submission [active] 2/22/2024 11:29:26 PM

Instructions

^ COLLAPSE ^

Visit w3schools and go to the HTML Tutorial: <https://my-learning.w3schools.com/tutorial/mysql>
MySQL and RDBMS Fundamentals Lessons 1.1 - 1.3
Query Basics Lessons 2.1 - 2.8
Data Manipulation Lessons 3.1 - 3.4
Query Techniques Lessons 4.1 - 4.9
Advanced Queries Lessons 5.1 - 5.11
Database Management Lessons 6.3 - 6.15
MySQL Quiz at the end of the tutorial

Guide:

Make sure you're in the main branch locally and `git pull origin main` any pending changes
Make a new branch per the recommended branch name below (`git checkout -b ...`)
Fill in the items in the worksheet below (save as often as necessary)
Once finished, export the worksheet
Add the output file to any location of your choice in your repository folder
Check that git sees it via `git status`
If everything is good, continue to submit
Track the file(s) via `git add`
Commit the changes via `git commit` (don't forget the commit message)
Push the changes to GitHub via `git push` (don't forget to refer to the proper branch)
Create a pull request from the homework related branch to main (i.e., main <- "homework branch")
Open and complete the merge of the pull request (it should turn purple)
Locally checkout main and pull the latest changes (to prepare for future work)
Take the same output file and upload it to Canvas
*This step is new since GitHub renders the PDF as an image the links aren't clickable so this method works better
*Remember, the github process of these files are encouragement for your tracking of your progress

Branch name: M4-SQL-Readings

Tasks: 8 Points: 10.00

SQL Readings (8 pts.)

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Task #1 - Points: 1
Text: MySQL and RDBMS Fundamentals Lessons 1.1 - 1.3

Task Screenshots:

Gallery Style: Large View

Small

Medium

Large

The screenshot shows a task completion interface. At the top, there is a header bar with a green checkmark, the text '1. MySQL and RDBMS Fundamentals', a green 'DONE' button, and the text '3 of 3 lessons completed'. Below this, there is a list of lessons: 'Lesson 1.1 - Home', 'Lesson 1.2 - Intro', and 'Lesson 1.3 - RDBMS', each with a green checkmark. A 'Practice Code' button is located at the bottom right of the list. The entire interface is displayed within a large black rectangular frame.

Completed all of lesson 1 components.

Task #2 - Points: 1
Text: Query Basics Lessons 2.1 - 2.8

Task Screenshots:

Gallery Style: Large View

Small

Medium

Large

✓ 2. Query basics

DONE

8 of 8 lessons completed

▼

✓ Lesson 2.1 - SQL

✓ Lesson 2.2 - SELECT

✓ Lesson 2.3 - WHERE

✓ Lesson 2.4 - AND, OR, NOT

✓ Lesson 2.5 - ORDER BY

✓ Lesson 2.6 - LIMIT

✓ Lesson 2.7 - MIN and MAX

✓ Lesson 2.8 - COUNT, AVG, SUM

Practice Code

Completed all of lesson 2 components.

●

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Task #3 - Points: 1

Text: Data Manipulation Lessons 3.1 - 3.4

Task Screenshots:

Gallery Style: Large View

SmallMediumLarge

✓ 3. Data manipulation

DONE

4 of 4 lessons completed

▼

✓ Lesson 3.1 - INSERT INTO

✓ Lesson 3.2 - NULL Values

✓ Lesson 3.3 - UPDATE

✓ Lesson 3.4 - DELETE

Practice Code

Completed all of lesson 3 components.



^COLLAPSE ^

Task #4 - Points: 1

Text: Query Techniques Lessons 4.1 - 4.9

Task Screenshots:

Gallery Style: Large View

Small

Medium

Large

✓ 4. Query techniques

DONE

10 of 10 lessons completed



- ✓ Lesson 4.1 - LIKE
- ✓ Lesson 4.2 - Wildcards
- ✓ Lesson 4.3 - IN
- ✓ Lesson 4.4 - BETWEEN
- ✓ Lesson 4.5 - Aliases

- ✓ Lesson 4.6 - Joins
- ✓ Lesson 4.7 - INNER JOIN
- ✓ Lesson 4.8 - LEFT JOIN
- ✓ Lesson 4.9 - RIGHT JOIN
- ✓ Lesson 4.10 - CROSS JOIN

Practice Code

Completed all of lesson 4 components.



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Task #5 - Points: 1

Text: Advanced Queries Lessons 5.1 - 5.11

Task Screenshots:

Gallery Style: Large View

Small

Medium

Large

✓ 5. Advanced queries

DONE

11 of 11 lessons completed

▼

✓ Lesson 5.1 - Self Join

✓ Lesson 5.2 - UNION

✓ Lesson 5.3 - GROUP BY

✓ Lesson 5.4 - HAVING

✓ Lesson 5.5 - EXISTS

✓ Lesson 5.6 - ANY, ALL

✓ Lesson 5.7 - INSERT SELECT

✓ Lesson 5.8 - CASE

✓ Lesson 5.9 - Null Functions

✓ Lesson 5.10 - Comments

✓ Lesson 5.11 - Operators

Practice Code

Completed all of lesson 5 components.

●

^COLLAPSE ^

Task #6 - Points: 1

Text: Database Management Lessons 6.3 - 6.15

Task Screenshots:

Gallery Style: Large View

Small

Medium

Large

✓ 6. Database management

DONE

16 of 16 lessons completed

▼

✓ Lesson 6.1 - Create DB

✓ Lesson 6.2 - Drop DB

✓ Lesson 6.3 - Create Table

✓ Lesson 6.9 - Primary Key

✓ Lesson 6.10 - Foreign Key

✓ Lesson 6.11 - Check

- ✓ Lesson 6.4 - Drop Table
- ✓ Lesson 6.5 - Alter Table
- ✓ Lesson 6.6 - Constraints
- ✓ Lesson 6.7 - Not Null
- ✓ Lesson 6.8 - Unique

- ✓ Lesson 6.12 - Default
- ✓ Lesson 6.13 - Create Index
- ✓ Lesson 6.14 - Auto Increment
- ✓ Lesson 6.15 - Dates
- ✓ Lesson 6.16 - Views

Practice Code

Completed all of lesson 6 components.

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Task #7 - Points: 1

Text: MySQL Quiz at least 65%

Details:

Note: This is the quiz at the end of the tutorial page

Task Screenshots:

Gallery Style: Large View

Small

Medium

Large

MySQL Quiz

Result:

25 of 25

100%

Perfect!!!

Time Spent

5:17

Check your answers

Try Again

Back to Quizzes

Share your score:



Scored 100% on the W3Schools quiz.

Reflection (2 pts.)

^COLLAPSE ^

Task #1 - Points: 1

Text: Reflect on the topics and refer to the checklist of this task

Checklist

*The checkboxes are for your own tracking

#	Points	Details
<input type="checkbox"/> #1	1	Mention specifics of what concepts/topics were totally new to you.
<input type="checkbox"/> #2	1	Mention specifics of what concepts/topics you already knew.
<input type="checkbox"/> #3	1	Mention specifics of any topics you still don't feel confident about. If everything makes sense so far you can mention so.
<input type="checkbox"/> #4	1	At least a few reasonable sentences.

Response:

All of this week's contents were new to me, considering I'd never used or touched SQL or MySQL before. The idea of creating and managing databases to store and utilize data was only a remote abstract concept I had up until this point. That said, the core syntax of the database management system language is quite similar to most other programming languages I'm familiar with. Except for the changing of names, the methods themselves remain mostly identical. Almost all of the commands are self-explanatory, like SELECT for selecting from a database, CREATE for creating databases/tables, WHERE as a form of an if-statement, AND, OR, NOT as basic operators. It is very user friendly and the path to learning MySQL seems relatively straightforward. The only issue I'm currently encountering is with advanced queries where there are commands that to me seem redundant and practically do the same thing as other more easily accessible methods. Methods like EXISTS is on a base level another type of if-statement but so is HAVING and the CASE commands. All of them do one or another form of checking prior to allowing the query to continue running. The distinctions listed on W3Schools seem overly technical and I'm having a hard time specifically differentiating the methods for usage in different circumstances. However, this shouldn't really be a big concern since I could always look to external sources to properly understand the differentiations and when to best use each one of them.

End of Assignment