

MYSQL and Linux in One Week

MYSQ for ALL

1. What is a database? & What is SQL?
2. MySQL Workbench Tutorial & MySQL Introduction
3. Database Design Tutorial: Learn Data Modeling
4. What is Normalization? 1NF, 2NF, 3NF & BCNF with Examples
5. What is ER(Entity-relationship) Modeling? Learn with Example
6. MySQL Create Database & MySQL Data Types
7. MySQL SELECT Statements with Examples
8. MySQL WHERE Clause with Examples - AND, OR, IN, NOT IN
9. MySQL query INSERT INTO Table with Examples
10. MySQL UPDATE & DELETE Query with Example
11. Sorting in MySQL : ORDER BY, DESC and ASC
12. MySQL GROUP BY and HAVING Clause Tutorial
13. MySQL Wildcards Tutorial: Like, NOT Like, Escape, (%), (_)
14. MYSQL Regular Expressions (REGEXP) with Syntax & Examples
15. MySQL Functions & Procedures: String, Numeric, Userdefined, Stored
16. MySQL Aggregate Functions Tutorial : SUM, AVG, MAX, MIN , COUNT, DISTINCT
17. MySQL IS NULL & IS NOT NULL Tutorial with Examples
18. MySQL AUTO_INCREMENT Tutorial with Examples
19. MYSQL - ALTER, DROP, RENAME, MODIFY
20. MySQL LIMIT & OFFSET Tutorial with Examples
21. MySQL SubQuery Tutorial with Examples
22. MySQL JOINS Tutorial: INNER, OUTER, LEFT, RIGHT, CROSS
MySQL UNION - Complete Tutorial
23. Views in MySQL Tutorial: Create, Join & Drop with Examples
24. MySQL INDEXES - Create, Drop & Add Index Tutorial

Reference:

1. <https://www.guru99.com/mysql-tutorial.html>
2. <https://www.w3resource.com/sql-exercises/>
3. <http://sqlfiddle.com/>
4. <https://www.hackerrank.com/domains/sql>

Linux for all

1. Introduction to the Linux Operating System
2. How to Download & Install Linux (Ubuntu) in Windows
3. Linux vs Windows: What's the Difference?
4. Linux Command Line Tutorial: Manipulate Terminal with CD Commands
5. File Permissions in Linux/Unix with Example
6. Input Output Redirection in Linux/Unix Examples
7. Pipe, Grep and Sort Command in Linux/Unix with Examples
8. Linux Regular Expression Tutorial: Grep Regex Example
9. List of Environment Variables in Linux

10. Linux/Unix SSH, Ping, FTP, Telnet Communication Commands
11. Telnet vs SSH: Key Differences
12. Linux/Unix Process Management: ps, kill, top, df, free, nice Commands
13. VI Editor with Commands in Linux/Unix Tutorial
14. Shell Scripting Tutorial: How to Create Shell Script in Linux/Unix
15. Linux/Unix Virtual Terminal
16. Linux/Unix User Administration Tutorial: adduser, usermod, userdel
17. Unix Vs. Linux: What's the Difference?
18. Crontab in Linux: Job Scheduling EXAMPLES
19. VM Setup for practice environment
20. Monitoring Hardware Resources (RAM, CPU, Network, and I/O), File Movements (scp, rsync)

References:

1. <https://www.guru99.com/must-know-linux-commands.html>
2. <https://www.guru99.com/file-permissions.html>
3. <https://www.guru99.com/linux-redirection.html>
4. <https://www.guru99.com/linux-pipe-grep.html>
5. <https://www.guru99.com/linux-regular-expressions.html>
6. <https://www.guru99.com/linux-environment-variables.html>
7. <https://www.guru99.com/unix-linux-tutorial.html>
8. <https://www.tutorialspoint.com/unix/index.htm>

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