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Computer Hardware Tutorial

Computer Basics Tutorial

Basics Of Information Technology Tutorial

Information Technology Basics Tutorial

Basics Of Computer Science Tutorial

CLOSE POP UP WINDOW X x

close pop up window X x

CAPITAL capital LETTER OR ALPHABET UPPER CASE EXAMPLE AS SMALL LETTER OR ALPHABET LOWER CASE EXAMPLE a

HARDWARE PHYSICAL physical PHONE EXAMPLE

SOFTWARE VIRTUAL virtuual WHATS APP EXAMPLE whats app example

SOFTWARE (S) MOBILE DEVICE (S)

APP (S) APPLICATION (S) ANY DEVICE (S) MACHINE (S) SYSTEM (S)DOWNLOAD INSTALL SOME OS OPERATING SYSTEM SUPPORT

COMMUNICATION MEDIUM Media MEDIA

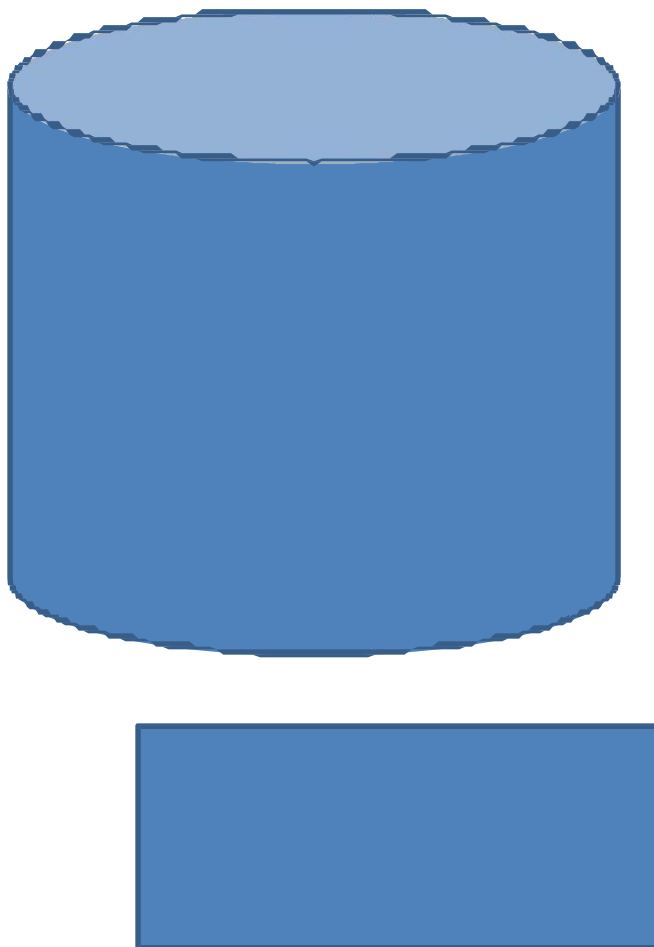
1 WIRED CABLE

2 WIRELESS AIR SIGNALS WIFI PROVIDED BY ISP INTERNET SERVICE PROVIDERS Jio , Airtel , BSNL etc FROM SATELLITE AND TRANSFORMER OR TOWER OR MOBILE DATA

DATABASE ANY STORE , STORING OR STORAGE MATERIAL

MYSQL DATABASE IS PROVIDED BY MICROSOFT COMPANY OR ORGANISATION OR ORGANIZATION

SQL STRUCTURED QUERY LANGUAGE TO ACCESS THE MYSQL AND MANY RELATIONAL DATABASE (S)



DATA RAW FACTS -> PROCESSED OR PROCESSING -> INFORMATION

MS WORD -> MS EXCEL

MS WORD , MS EXCEL And MS POWERPOINT , MS ACCESS NOT STORE

1 HUGE OR LARGE AMOUNT OR VOLUME OF DATA

2 WEB PAGE (S) WEB SITE -> YEAR (S) -> APP (S) APPLICATION (S)

DATABASE CAN

WHAT FORMAT **MYSQL WILL STORE DATA OR INFORMATION** IN TABLE (S)
INFORMATION TECHNOLOGY OR COMPUTER SCIENCE TERM (S) RELATION
(S) OR TABLE (S)

RELATIONAL DATABASE MANAGEMENT SYSTEM

MONGO DB WILL NOT STORE DATA OR INFORMATION IN RELATION (S)
TABLE (S)

ENVIRONMENT

1 XAMPP ANY OS OPERATING SYSTEM OR WAMPP WINDOWS VIRTUAL
SERVER

2 Setting up a MySQL and SQL environment using an Integrated Development Environment (IDE) can streamline your database management and development processes. Here's a step-by-step guide to get you started with MySQL and a popular SQL IDE like MySQL Workbench or DBeaver.

Step 1: Install MySQL Server

Download MySQL Server:

Go to the MySQL Community Downloads page.

Select your operating system and download the installer.

Install MySQL Server:

Run the installer and follow the setup instructions.

Choose a setup type (Developer Default is recommended).

Configure MySQL Server settings such as authentication method and root password.

Complete the installation process.

Step 2: Install MySQL Workbench

Download MySQL Workbench:

Go to the MySQL Workbench Downloads page.

Select your operating system and download the installer.

Install MySQL Workbench:

Run the installer and follow the setup instructions.

Step 3: Connect MySQL Workbench to MySQL Server

Open MySQL Workbench.

Create a new connection:

Click on the + icon next to MySQL Connections.

Enter connection details:

Connection Name: Any name you prefer.

Connection Method: Standard (TCP/IP).

Hostname: localhost (if MySQL is running on your local machine).

Port: 3306 (default MySQL port).

Username: root (or any other MySQL user).

Password: Click on "Store in Vault" to save your password securely.

Test the connection to ensure it works.

Click OK to save the connection.

Step 4: Install DBeaver (Alternative IDE)

If you prefer an alternative to MySQL Workbench, DBeaver is a popular choice that supports multiple databases.

Download DBeaver:

Go to the DBeaver Community Edition Downloads page.

Select your operating system and download the installer.

Install DBeaver:

Run the installer and follow the setup instructions.

Step 5: Connect DBeaver to MySQL Server

Open DBeaver.

Create a new connection:

Click on the New Database Connection button or navigate to Database > New Database Connection.

Select MySQL and click Next.

Enter connection details:

Host: localhost.

Port: 3306.

Database: (optional, you can specify later).

Username: root (or any other MySQL user).

Password: your MySQL password.

Test the connection to ensure it works.

Click Finish to save the connection.

Step 6: Verify Setup

Launch your IDE (MySQL Workbench or DBeaver).

Connect to your MySQL Server using the connection you created.

Run a test query to verify the connection:

```
sql
```

Copy code

```
SELECT VERSION();
```

This query should return the version of the MySQL Server.

Additional Tips

Backup Your Data: Regularly backup your databases to prevent data loss.

Use SQL Scripts: Save your SQL queries in script files for easier management and version control.

Explore IDE Features: Take advantage of features like visual database design, query builders, and data modeling tools.

By following these steps, you should have a fully functional MySQL and SQL environment using either MySQL Workbench or DBeaver.

IDE INTEGRATED DEVELOPMENT ENVIRONMENT TOOL (S) APP (S)
APPLICATION (S) DOWNLOAD INSTALL OS OPERATING SYSTEM SUPPORT

Donald D. Chamberlin is an American computer scientist who is one of the principal designers of the original SQL language specification with Raymond Boyce.

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SQL Compiler

SQL COMPILER

BASIC SYNTAX FORMAT

RUN OR EXECUTE CAN NOT

RUN (S) EXECUTE (S) QUERY QUERIES COMMAND (S) PROGRAM (S) CODE
(S) SCRIPT (S)

KEYWORD (S)

1 Donald D. Chamberlin

2 Raymond Boyce.

Defined or Given

SYMBOL (S) TOKEN (S) SEPERATOR (S)

CHARACTER (S) WHITE SPACE (S) white space (s) , () “ , ()

; delimiter programming or coding zone (s)

END OF LINE (S) STATEMENT (S)

, COMMA CONCATENATION JOINING COMBINE OR COMBINING ADDING

IDENTIFIER (S)

USER PERSON (S) PEOPLE HUMAN BEING (S) DEFINED OR GIVEN

USING SQL INVENTED OR CREATED OR DEVELOPED BY

1 Donald D. Chamberlin

2 Raymond Boyce.

INVENTOR , CREATOR OR DEVELOPER (S) OF SQL

PERSON (S) PEOPLE HUMAN BEING (S)

DATABASE USE USER

PERSON (S) PEOPLE HUMAN BEING (S)

DATABASE ADMINISTRATOR MAINTAIN or OR HANDLE

PERSON (S) PEOPLE HUMAN BEING (S)

MYSQL SQL

MYSQL Tutorial

SQL Tutorial

Create table Gayathri(sno int,name string,date varchar (255));

int Keyword Integer (s) Number (s)

String Only Letters and Alphabets Keyword str

Varchar (255) ANY DATA TYPE (S) 255 Number (s)

Character char keyword

1 one

G

g

N

n

1

3

9

\$

Rs

@

DATABASE MIND ANY PICTURE OR PICTORIAL REPRESENTATION

S.NO	Name	Date
1	Gayathri	25-06-2024
