**Database: ap**

A screenshot of a computer

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**Database: ex**

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**MySQL Reference Manual :**

1. **Supported Platforms:** MySQL is supported on a variety of platforms & Operating Systems including Windows, Linux, Solaris and Apple MaxOS. MySQL is also available in virtual environments. This information is useful for me since I am using a Windows laptop and there is a MySQL distribution available for my laptop.
2. **Data Types:** MySQL supports data types in serval categories like numeric data type, date and time type, string type, spatial type and JSON date types. It is important for me to understand the data types supported by MySQL so that I can model my data better.
3. **Functions and operators**: MySQL has a rich set of built-in functions and operators. MySQL also supports loadable functions (which are functions which can loaded at runtime). SQL operators can be either unary or binary operator. A unary operator (+ or -) used only one operand to perform the unary operation. Whereas binary operators (+ or -) used two operands to perform binary operation. Some of operators in SQL query are >,>=,<,<=,= etc. SQL also is Logical operators AND, - && , NOT, ! , OR ||, XOR.

Good understanding of supported functions and operators is key to writing SQLs and getting desired outcomes.

1. **SQL Statements**: MySQL supports Data Definition Language (DDLs) and Data Manipulation Language (DMLs). MySQL supports DDLs statements like CREATE, ALTER and DROP statements. DMLs include INSERT, UPDATE and DELETE statements and many more. DDLs and DMLs are key tools which are used to create and manipulate tables and data in MySQL.

# MySQL Workbench: MySQL Workbench provides a graphical tool for working with MySQL servers and databases. MySQL workbench provides five main areas of functionality:

# SQL Development

# Data modeling

# Server Administration

# Data Migration

# MySQL Enterprise Support

# MySQL workbench is available in two editions, the Community Edition and Commercial Edition. It is important for me to understand the capabilities of MySQL Workbench so that I can use it for submitting SQLs and use supported features for managing the database. It is nice to know a free Community edition is made available for personal use.