



Basic & Advanced MySQL Interview Questions with Answers

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Basic Interview Questions

Aptitude Questions

It Interview Questions and Answers

General Knowledge Questions

MySQL RDBMS is the most popular open source database used mainly with PHP and another online applications. Here is some most commonly asked interview questions collections about MySQL. [Download Complete PHP Fags in PDF](#). If you are a PHP programmer or an online software developer, you should be thorough with basic RDBMS (Relational Database Management system). The questions you can expect from this topic are about



- Creating, deleting, altering Databases and tables
- Connection with database
- Primary keys , index keys and foreign keys
- How you start designing tables as per the requirement
- Selection query
- Optimizing the queries with left and right join
- Aggregating functions like SUM
- Selecting the unique rows

- avoiding the duplicate rows
- Search in Mysql table
- Technical features and General knowledge topics about MySQL

Most of the companies are working with this MySQL tables and there are a lot of job chances in this field as database administrator and programmer. Please go through all of these followed questions with their answers before attending the interview.

About MySQL

MySQL is an open-source relational database management system (RDBMS). The name is derived from a combination of “My” which stands for the name of the daughter of the co-founder Michael Widenius, and “SQL” which stands for Structured Query Language.

MySQL is owned by Oracle, though initially owned and sponsored by a single for-profit firm, the Swedish company MYSQLAB. The MYSQL development project makes its source code accessible under the GNU General Public License terms, including a range of propriety agreements. You can get various paid editions with additional functionality for propriety use.

MySQL interview questions and answers

Writing MySQL exam can be a bit tricky. But if you are getting set for an interview, here are a few possible questions you might be asked and their answers.

1. What is MySQL?

Ans.

MySQL is an open-source DBMS that is built, supported and distributed by MySQL AB. It is now owned by Oracle.

2. Why do we use MySQL?

Ans.

MySQL database server is dependable, fast and user-friendly. One can download the software from the internet and as freeware.

3. What is the default port for MySQL Server?

Ans.

The default port for MySQL server is 3306

4. What is REGEXP?

Ans.

REGEXP is a pattern match in which matches pattern anywhere in the search value

5. What does a TIMESTAMP do on UPDATE CURRENT_TIMESTAMP data type?

Ans.

When the table is created, Zero is used for updating the TIMESTAMP column. UPDATE CURRENT_TIMESTAMP modifier updates the timestamp field to current time whenever other fields of the table are changed.

6. What does myisamchk do?

Ans.

It is used for compressing the MyISAM tables thereby reducing their disk or memory usage.

7. What do you understand by federated tables?

Ans.

They let you have access to the tables which are located on other databases on other servers.

8. How do we find out the auto increment that was assigned on Last insert?

Ans.

LAST_INSERT_ID will return the last value assigned by Auto increment and it not mandatory for the table name to be specified.

9. How do you login to MySQL using Unix shell?

Ans.

To login, we can make use of this command:

```
#[mysql dir]/mysql -h hostname -u<UserName> -p<password>
```

10. Differentiate between CHAR_LENGTH and LENGTH

Ans.

While CHAR_LENGTH is character count, the LENGTH is a byte count. The numbers are the different for Unicode and other encodings but the same for Latin characters.

11. How can you see all the indexes defined for a table?

Ans.

You can define indexes for the table by:

```
SHOW INDEX FROM <tablename>;
```

12. What are the column comparisons operators?

Ans.

The =, <>, <=, <, >=, >, <<, >>, <=>, AND, OR, or LIKE operators are used in column comparisons in SELECT statements

13. What is InnoDB?

Ans.

InnoDB is a transaction safe storage engine developed by Inno Oy, now Oracle Corporation.

14. How many columns can you use in creating Index?

Ans.

You can only create a maximum of 16 indexed columns for any standard table

15. What do you mean by % and _ in the LIKE statement?

Ans.

% corresponds to 0 or more characters. But _ is exactly one character in the LIKE statement.

What's MySQL?

- **MySQL** the most popular Open Source SQL database management system, is developed, distributed, and supported by MySQL AB. MySQL AB is a commercial company, founded by the MySQL developers, that builds its business by providing services around the MySQL database management system.

Why use the MySQL Database Server?

- The MySQL Database Server is very fast, reliable, and easy to use. it is possible for anyone to use and modify the software. Anybody can download the MySQL software from the Internet and use it without paying anything.

What is the technical features of MySQL Server?

- - The MySQL Database Software is a client/server system that consists of a multi-threaded SQL server that supports different backends, several different client programs and libraries, administrative tools, and a wide range of application programming interfaces (APIs).

What are the column comparisons operators?

- - The = , <>, <=, <, >=, >, <<, >>, <=>, AND, OR, or LIKE operators may be used in column comparisons to the left of the FROM in SELECT statements.

How do you get the number of rows affected by query?

- `SELECT COUNT (user_id) FROM users;`

What are HEAP tables in MySQL?

- HEAP tables are in-memory. They are usually used for high-speed temporary storage.
- No TEXT or BLOB fields are allowed within HEAP tables.
- You can only use the comparison operators = and <=>.
- HEAP tables do not support AUTO_INCREMENT.
- Indexes must be NOT NULL.

How do you return the a hundred books starting from 25th?

➤ `SELECT book_title FROM books LIMIT 25, 100;`

How would you write a query to select all teams that won either 2, 4, 6 or 8 games?

➤ `SELECT team_name FROM teams WHERE team_won IN (2, 4, 6, 8).`



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