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Top 61 MySQL Interview Questions

ⓣ ⓘ⓷ ⓕ ⓜ ⓡ ⓦ ⓣ ✉

| Entry | Junior | Mid | Senior | Expert | ⬤ | Only Code Challenges | Search Question b |

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Topic Progress:

Theoretical Questions

Q1: **What are different *integer data types* in MySQL? How can you use *unsigned integer* in MySQL?**   Add to PDF   Junior ⊘

Q2: **Explain `DEFAULT` constraint in MySQL**   Add to PDF   Junior ⊘

Q3: **Explain *foreign key constraint* in MySQL**   Add to PDF   Junior ⊘

Q4: **What is *self referencing* foreign key? Give an example.**   Add to PDF   Junior ⊘

Q5: **What is *Primary Key Constraint* and *Unique Key Constraints*?**

`Add to PDF`   `Junior` ✓

Q6: **How are `VARCHAR` and `CHAR` different. Talk about cases where you will use one over other.**

`Add to PDF`   `Junior` ✓

Q7: **Describe `BLOB` in MySQL. What is it used for?**

`Add to PDF`   `Junior` ✓

Q8: **What is an `AGGREGATE` function. Name few aggregate functions used in MySQL.**

`Add to PDF`   `Junior` ✓

Q9: **What is the difference between `TRUNCATE` and `DELETE` ?** Related To: SQL

`Add to PDF`   `Junior` ✓

Q10: **What is the difference between *Data Definition Language (DDL)* and *Data Manipulation Language (DML)*?** Related To: SQL, T-SQL, Databases

`Add to PDF`   `Junior` ✓

Q11: **What is a `VIEW` in MySQL. How can you create and query a view?**

`Add to PDF`   `Junior` ✓

Q12: **What are *Derived Columns*. What possible problems can a derived column pose?**

🔒 `Add to PDF`   `Mid` ✓

Q13: **Explain the use of `FEDERATED` tables in MySQL**

🔒 `Add to PDF`   `Mid` ✓

Q14: **Explain `GRANT` command in MySQL**

🔒 `Add to PDF`   `Mid` ✓

Q15: **How can `VIEW` be used to provide *security layer* for your app?** Related To: SQL

🔒 `Add to PDF`   `Mid` ✓

Q16: **Both `TIMESTAMP` and `DATETIME` are used to store data and time. Explain difference between them and when should one be used?**

🔒 `Add to PDF`   `Mid` ✓

Q17: **What is `mysqldump` ?**

🔒 `Add to PDF`   `Mid` ✓

Q18: **What is the difference between commands `create database` and `create schema` in MySQL?**

🔒 `Add to PDF`   `Mid` ✓

Q19: **What is *index* in MySQL? What is advantage of index?**

🔒 `Add to PDF`   `Mid` ✓

Q20: **What is a *trigger*. What are different type of triggers in MySQL?**

🔒 `Add to PDF`   `Mid` ✓

Q21: **What different *stored objects* are supported in MySQL?**

🔒 Add to PDF | Mid

Q22: **What is the use of `IN` and `BETWEEN` in MySQL queries?**

🔒 Add to PDF | Mid

Q23: **What is *Stored Function* in MySQL. How are they different from *Stored Procedure*?**

🔒 Add to PDF | Mid

Q24: **What are `REPEAT` , `LOOP` and `WHILE` statements used for?**

🔒 Add to PDF | Mid

Q25: **What is the use of `DELIMETER` command in MySQL?**

🔒 Add to PDF | Mid

Q26: **What are *key constraints*. What different types of constraints are there in MySQL?**

🔒 Add to PDF | Mid

Q27: **What is difference between `BLOB` and `TEXT` in MySQL?**

🔒 Add to PDF | Mid

Q28: **What happens if a parent row which is referenced by child row is being *deleted* in case of *foreign key* constraint?**

🔒 Add to PDF | Mid

Q29: **What are different `TEXT` data types in MySQL. What is difference between `TEXT` and `VARCHAR` ?**

🔒 Add to PDF | Mid

Q30: **What is MySQL *Workbench*?**

🔒 Add to PDF | Mid

Q31: **What are some major differences between MySQL and Oracle database?**

🔒 Add to PDF | Senior

Q32: **Which *partitioning types* does MySQL support?**

🔒 Add to PDF | Senior

Q33: **What does `OPTIMIZE TABLE` command do in MySQL?**

🔒 Add to PDF | Senior

Q34: **What is *database engine* or *storage engine*? Mention few storage engines supported by MySQL and their use.**

🔒 Add to PDF | Senior

Q35: **What are differences between *MyISAM* and *InnoDB* database engines commonly used in**

🔒 Add to PDF | Senior

MySQL?

Q36:   **Compare MySQL and PostgresSQL**   🔒 [Add to PDF]   Senior ✓

Q37:   **What is advantage of `FULLTEXT` over `LIKE` for performing text search in MySQL?**   🔒 [Add to PDF]   Senior ✓

Q38:   **What is *master-slave replication* in MySQL? What are its advantages?**   🔒 [Add to PDF]   Senior ✓

Q39:   **What is cursor used in MySQL? What are properties of MySQL *cursor*?**   🔒 [Add to PDF]   Senior ✓

Q40:   **What are some advantages and disadvantages of *stored procedures* in MySQL?**   🔒 [Add to PDF]   Senior ✓

Q41:   **What is `autocommit` in MySQL? Can you run a transaction *without* disabling autocommit?**   🔒 [Add to PDF]   Senior ✓

Q42:   **What is *Memory Storage Engine* in MySQL? What are heap tables?**   🔒 [Add to PDF]   Senior ✓

Q43:   **What is faster, *one big* query or *many small* queries?**   Related To: SQL   🔒 [Add to PDF]   Senior ✓

Q44:   **What are the differences between MongoDB and MySQL?**   Related To: MongoDB   🔒 [Add to PDF]   Expert ✓

Q45:   **How many tables can a trigger associate to in MySQL? Can a trigger be associated to a view?**   🔒 [Add to PDF]   Expert ✓

Q46:   **What happens to a trigger in MySQL if an operation which trigger is associated with fails? Does the trigger *execute*?**   🔒 [Add to PDF]   Expert ✓

Q47:   **What is difference between *horizontal* and *vertical* partitioning? Does MySQL support both horizontal and vertical partitioning?**   🔒 [Add to PDF]   Expert ✓

Q48:   **What is the use of `SAVEPOINT` in MySQL?**   🔒 [Add to PDF]   Expert ✓

Q49:   **Which is better for `JOIN` & `INSERT` - PostgreSQL or MySQL?**   Related To: PostgreSQL   🔒 [Add to PDF]   Expert ✓

Q50:   **How do you make *schema changes* to a live database without downtime?**   Related To: Databases,   🔒 [Add to PDF]   Expert ✓

PostgreSQL

Q51: **Why you should never use GUIDs as part of *clustered index*?** Related To: Databases, PostgreSQL, T-SQL   🔒 `Add to PDF` `Expert` ✓

Code Challenges

Q1: **How can you *delete one or multiple columns* from a MySQL database table?**   `<>` `Add to PDF` `Junior` ✓

Q2: **Find *duplicate* values in a SQL table** Related To: SQL   `<>` 🔒 `Add to PDF` `Mid` ✓

Q3: **How can `ENUM` be used in MySQL. Give an example.**   `<>` 🔒 `Add to PDF` `Mid` ✓

Q4: **How can you *add one or multiple columns* after a certain column in an existing MySQL table?**   `<>` 🔒 `Add to PDF` `Mid` ✓

Q5: **What is `AUTO INCREMENT` in MySQL? Explain with an example.**   `<>` 🔒 `Add to PDF` `Mid` ✓

Q6: **What happens if a *duplicate entry* is already there when adding constraint?**   `<>` 🔒 `Add to PDF` `Mid` ✓

Q7: **A multiple column index is created over `firstName`, `lastName`, `city` columns of a `Customer` table. Will this index be used for `SELECT` queries based on only `first_name`, only `last_name` or only `city` values?**   `<>` 🔒 `Add to PDF` `Senior` ✓

Q8: **Write a query to *concatenate* and display all `DISTINCT` names in a single row**   `<>` 🔒 `Add to PDF` `Senior` ✓

Q9: **Provide an example of `UPSERT` logic using MySQL**   `<>` 🔒 `Add to PDF` `Senior` ✓

Q10: **Remove *duplicate rows* from a table**   `<>` 🔒 `Add to PDF` `Senior` ✓

Unlock 3877 Answers

Ⓣ Ⓛ Ⓕ Ⓜ Ⓡ Ⓦ Ⓣ Ⓔ