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**QUESTION NO: 1**

Will the following SELECT query list all of the tables in the INFORMATION\_SCHEMA database?

If not, why? SELECT TABLE\_NAME FROM INFORMATION\_SCHEMA.TABLES  
WHERE TABLE\_SCHEMA = 'INFORMATION\_SCHEMA' ORDER BY TABLE\_NAME

- A. Yes.
- B. No; the INFORMATION\_SCHEMA database does not contain information on itself.
- C. No; the WHERE clause is incorrect. The correct field name is TABLE\_SCHEMATA.
- D. No; there is no table in the INFORMATION\_SCHEMA database called TABLES.

**Answer: A**

**QUESTION NO: 2**

Which of the following are some general capabilities of the mysql client program?

- A. Create and Drop databases
- B. Ping the server
- C. Create, Drop, and modify tables and indexes.
- D. Shutdown the server.
- E. Create users.
- F. Display replication server status.

**Answer: A,C,E,F**

**QUESTION NO: 3**

Suppose you have a server that has been started with the --myisam-recover option. When does the server perform the check on the MyISAM tables?

- A. Each time the server is started.
- B. Each time it encounters an error.
- C. Each time it opens the MyISAM table files.
- D. Each time the CHECK TABLE command is issued.

**Answer: C**

**QUESTION NO: 4**

Consider the following query: DELETE FROM INFORMATION\_SCHEMA.TABLES WHERE table\_schema = 'world' AND table\_name = 'Country' What would be the result of executing this query?

- A. An error would be issued
- B. A warning would be issued
- C. The row would be deleted from the INFORMATION\_SCHEMA.TABLES table, and the table Country would be dropped from the world database
- D. The row would be deleted from the INFORMATION\_SCHEMA, but the table Country in the world database would be unaffected.

**Answer: A**

**QUESTION NO: 5**

Which mysqld command line option disables incoming TCP/IP connections?

- A. --Shared-memory
- B. --Memlock
- C. --No-networking
- D. --Skip-networking

**Answer: D**

**QUESTION NO: 6**

What are some advantages of using the SHOW command rather than using the INFORMATION\_SCHEMA?

- A. It is available for releases older than MySQL 5.0.
- B. It returns results quicker than using the INFORMATION\_SCHEMA.
- C. Using SHOW can provide more concise information.
- D. SHOW is a feature of standard SQL, and INFORMATION\_SCHEMA is a MySQL specific command.

**Answer: A,C**

**QUESTION NO: 7**

Index analysis and optimization using ANALYZE and OPTIMIZE statements should...

- A. Generally never be run manually
- B. Be run once the table reaches 100,000 rows or above
- C. Be run when more than 5% of the rows are changed by a single statement
- D. Be run when EXPLAIN SELECT shows that an inordinate amount of rows is expected to be read during query execution
- E. Be run when you suspect that a table is heavily fragmented

**Answer: D,E**

**QUESTION NO: 8**

Suppose you have a column in which most records are going to be between 30 and 32 characters. Which of the following column types would be most efficient?

- A. VARCHAR
- B. CHAR
- C. TEXT
- D. Either VARCHAR or CHAR

**Answer: B**

**QUESTION NO: 9**

Which of the following APIs/connectors are included in a MySQL distribution?

- A. Connector/J
- B. Connector/ODBC
- C. C API
- D. Connector/NET
- E. Connector/MJX

**Answer: C**

**QUESTION NO: 10**

Which of the following are some benefits of using MySQL built binaries over binaries built by yourself?

- A. They are highly optimized.
- B. They are cross-platform.
- C. Many are built using commercial compilers that produce a better quality build than with freely available compilers.

- D. They will work with tools such as MySQL Administrator and MySQL Query Browser.
- E. They may include libraries not available in the standard operating system library.

**Answer: A,C,E**

**QUESTION NO: 11**

Assume you compile MySQL from source and invoke configure with the following options. --with-charset= latin1 --with-extra-charsets=utf8,ucs2 Compared to a standard binary installation that contains many more character sets, which of the following statements is/are true?

- A. The compiled version will use less disk space, because only a few character sets will be installed on disk.
- B. The compiled version will use less memory, because only a few character sets will be loaded by the server.
- C. The compiled version will use less file handles, because only a few files need to be opened when the server is started.

**Answer: A,B**

**QUESTION NO: 12**

Which of the following are true for how BTREE and HASH index types should be used for MEMORY tables?

- A. HASH index types are only for use with equality comparisons such as those using the = and <=> operators.
- B. BTREE index types are preferable for use with comparisons that do not just use equality operators such as = and <=>
- C. BTREE index types are only for use with equality comparisons such as those using the = and <=> operators.
- D. HASH index types are preferable for use with comparisons that do not just use equality operators such as = and <=>

**Answer: A,B**

**QUESTION NO: 13**

Which of the following are some general properties of the mysqlimport client program?

- A. It loads data files into tables.

- B. It can load files only on the server host.
- C. It provides a command-line interface to the LOAD DATA INFILE.
- D. It can load files both on the client and server host.
- E. It bypasses the server and writes directly to the corresponding data files.

**Answer: A,C,D**

**QUESTION NO: 14**

Which of the following statements are true?

- A. InnoDB supports Foreign Keys.
- B. MyISAM supports Foreign Keys.
- C. InnoDB supports cascaded DELETE statements.
- D. MyISAM supports cascaded DELETE statements.
- E. InnoDB supports cascaded UPDATE statements.
- F. MyISAM supports cascaded UPDATE statements.

**Answer: A,C,E**

**QUESTION NO: 15**

In a standard MySQL installation which of following files are stored below the data directory?

- A. Format files for all the tables
- B. Data and index files for MyISAM tables
- C. InnoDB tablespace files
- D. General server logs
- E. MySQL upgrade script files

**Answer: A,B,C,D**

**QUESTION NO: 16**

Which of the following statements is true for mysqldump?

- A. It can dump data only on remote servers.
- B. It can dump data only on the local server.
- C. It can dump data on both local and remote servers.

**Answer: C**

**QUESTION NO: 17**

Which of the following best describes the scope of explicitly and implicitly set locks?

- A. Explicitly set locks may span several commands.
- B. Implicitly set locks may span several commands.
- C. Implicitly set locks will span only one statement or transaction.
- D. Explicitly set locks will span only one statement or transaction.

**Answer: A,B,C**

**QUESTION NO: 18**

MySQL is a multi-threaded database server. Every connection to the database server is handled by it's own thread.

- A. True
- B. False

**Answer: A**

**QUESTION NO: 19**

Which of the following are true regarding the table cache?

- A. It is used to cache row data in open tables
- B. It holds file descriptors for open tables
- C. The size of the table cache may be set per-session
- D. Each connection has its own table cache. They are of equal size, set globally.
- E. There is one table cache, shared among all sessions.
- F. Increasing the size of the `variabletable_cache` allows `mysqld` to keep more tables open simultaneously

**Answer: B,E,F**

**QUESTION NO: 20**

The `ANALYZE TABLE` command should be used...

- A. When you need to find out why a query is taking a long time to execute.
- B. To improve performance by updating index distribution statistics.
- C. After large amounts of table data have changed.
- D. To check a tables structure to see if it may have been damaged and needs repair.

**Answer: B,C**

**QUESTION NO: 21**

Which of the following statements are true regarding the InnoDB storage engine?

- A. It uses multiversioning to isolate transactions.
- B. It is not possible for deadlocks to occur.
- C. It does not isolate transactions.
- D. It is possible for deadlocks to occur.

**Answer: A,D**

**QUESTION NO: 22**

What are some properties of using LOCK TABLE?

- A. Less work is required by the server to acquire and release locks.
- B. It can only be used with the MyISAM storage engine.
- C. Using LOCK TABLE sometimes decreases the amount disk reads and writes needed for a group of statements.
- D. All tables must be locked in a single statement.
- E. It creates more disk activity.

**Answer: A,C,D**

**QUESTION NO: 23**

mysqldump can be instructed to include commands to drop and recreate tables before trying to create or load data.

- A. True
- B. False

**Answer: A**



**QUESTION NO: 24**

Which of the following are requirements for MyISAM binary portability?

- A. Both machines must use the same operating system.
- B. Database and table names must use lowercase format.
- C. Both machines must use IEEE floating-point format or contain no floating-point columns.
- D. Both machines must use two's-complement integer arithmetic.

**Answer: C,D**

**QUESTION NO: 25**

Another user has issued the statement LOCK TABLE pets FOR WRITE You can...

- A. Update table pets
- B. SELECT from table pets
- C. Update and SELECT from table pets
- D. None of the above

**Answer: D**

**QUESTION NO: 26**

Which of the following actions are performed during an RPM installation of the MySQL server package?

- A. Setup amysql user
- B. Setup amysql group
- C. Initialize the data directory
- D. Setup passwords for all default accounts.

**Answer: A,B,C**

**QUESTION NO: 27**

Which of the following steps should be taken to restore an InnoDB table to a consistent state without having to shutdown the server?

- A. Run the REPAIR TABLE command.
- B. Dump the table with mysqldump, drop the table then re-create from the dump file.
- C. Run the CHECK TABLE command.

D. Dump the table withmysqlexport, drop the table then re-create with the backup file.

**Answer: B**

**QUESTION NO: 28**

Which of the following best describes why table locking is often not desirable compared to page or row locking?

- A. Table locks can have deadlocks.
- B. Table locks create concurrency issues.
- C. Table locks prevent other clients from making any changes to the table until released.
- D. Table locks can cause data corruption issues if more than one client tries to make changes while locked.

**Answer: B,C**

**QUESTION NO: 29**

Which of the following statements are true regarding table locks?

- A. They can only be released by the client holding them.
- B. They can be released by other connections than the client holding them.
- C. They are implicitly released when the connection is closed.
- D. They are not released when the connection is closed

**Answer: A,C**

**QUESTION NO: 30**

Which of the following correctly defines dirty reads, non-repeatable readsand phantom row?

- A. A dirty read is a read by one transaction of uncommitted changes made by another transaction.
- B. A dirty read is a read by one transaction of its uncommitted changes.
- C. A non-repeatable read occurs when a transaction performs the same retrieval twice but gets a different result each time.
- D. A non-repeatable read is a row that appears where it was not visible before.
- E. A phantom is a row that appears where it was not visible before.
- F. A phantom is a read by one transaction of uncommitted changes made by another transaction.

**Answer: A,C,E**

**QUESTION NO: 31**

Which of the following statements are true for MyISAM tables?

- A. By default, write requests (such as UPDATE and DELETE statements) take priority over read requests (such as SELECT statements).
- B. By default, read requests (such as SELECT statements) take priority over write requests (such as UPDATE and DELETE statements) .
- C. With the LOW\_PRIORITY option, a write request will wait for any other read request to finish.
- D. With the LOW\_PRIORITY option, a read request will wait for any other write request to finish.
- E. With the HIGH\_PRIORITY option, a read request will be moved ahead of other requests waiting to be executed.

**Answer: A,C,E**

**QUESTION NO: 32**

Which of the following best describes how MySQL utilizes the grant table buffers?

- A. The grant table buffer loads grant table information into memory for fast access.
- B. The grant table buffer loads what users are currently logged in and performing queries.
- C. The grant table buffer holds requests waiting to check the grant table to perform access control

**Answer: A**

**QUESTION NO: 33**

Which of the following is true for the command-line programs mysqlcheck and myisamchk?

- A. Mysqlcheck must run on the server to perform checks and repairs and myisamchk can perform checks and repairs on a remote server.
- B. Mysqlcheck can perform checks and repairs on a remote server, and myisamchk must run on the server.
- C. Bothmysqlcheck and myisamchk can perform checks and repairs on a remote server.
- D. Neithermysqlcheck or myisamchk can perform checks and repairs on a remote server.

**Answer: B**

**QUESTION NO: 34**

Which of the following correctly describes the differences between explicitly and implicitly set locks?

- A. Implicitly set locks are locks set and released on behalf of the client, by the server.
- B. Explicitly set locks are locks set and released on behalf of the client, by the server.
- C. Implicitly set locks are locks acquired and released by the client.
- D. Explicitly set locks are locks acquired and released by the client.

**Answer: A,D**

**QUESTION NO: 35**

Which of the following storage engines cannot be disabled?

- A. InnoDB
- B. MyISAM
- C. FEDERATED
- D. MEMORY
- E. MERGE

**Answer: B,D,E**

**QUESTION NO: 36**

The CHECK TABLE command should be used...

- A. To make sure a table has no structural problems.
- B. To find out why a query takes a long time to execute on a given table.
- C. To make sure that no table data are corrupted.
- D. To improve performance by updating index distribution statistics on InnoDB tables.
- E. To repair table structure problems.

**Answer: A,C**

**QUESTION NO: 37**

Suppose you want queries that are not using indexes to be logged to the slow log. How would you enable this?

- A. Use the --log-queries-indexes option.
- B. Use the --log-slow-queries-indexes option.