

Sun 310-810

SunCertified MySQL 5.0 Database Administrator Part I

Version: 5.0

QUESTION NO: 1

Which one of the following statements can be used to start MySQL 5.0 manually from the command line on windows?

- A. C:\> C:\Program Files\MySQL\MySQL Server 5.0\bin\mysqladmin -u root start
- B. C:\> C:\Program Files\MySQL\MySQL Server 5.0\bin\mysqld
- C. C:\> C:\Program Files\MySQL\MySQL Server 5.0\bin\mysql_start

Answer: B

Explanation:

QUESTION NO: 2

Another user has issued LOCK TABLES pets READ You can...

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

Answer: B

Explanation:

QUESTION NO: 3

Which of the following statements are true for locks established by the InnoDB storage engine?

- A. It sometimes escalates locks to page level.
- B. It sometimes escalates locks to table level.
- C. It sometimes escalates locks to page or table level.
- D. It never escalates locks to page or table level.

Answer: D

Explanation:

QUESTION NO: 4

Which of the following is true for how the InnoDB storage engine uses disk space?

- A. It stores its data, index and undo information all in its own tablespace.

- B.** It stores its data in .MYD files, in the respective database directory, and its index and undo information in its own tablespace.
- C.** It stores its data and index in .MYD and .MYI files, in the respective database directory, and undo information in its own tablespace.
- D.** It stores its data, index and undo information in .MYD and .MYI files, in the respective database directory.

Answer: A

Explanation:

QUESTION NO: 5

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.** Both mysqlcheck and myisamchk can perform checks and repairs on a remote server.
- D.** Neither mysqlcheck or myisamchk can perform checks and repairs on a remote server.

Answer: B

Explanation:

QUESTION NO: 6

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

- A.** True
- B.** False

Answer: A

Explanation:

QUESTION NO: 7

mysqldump can be instructed to dump...

- A.** Only table structures
- B.** Only data

C. Both table structures and data

Answer: C

Explanation:

QUESTION NO: 8

Which of the following is true of a MySQL client and server?

- A. They must be run on the same type of Operating System.
- B. They must be run on the same hardware architecture.
- C. They do not have to be run on the same type of Operating System.
- D. They do not have to be run on the same hardware architecture.

Answer: C,D

Explanation:

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

Explanation:

QUESTION NO: 10

Of the following mechanisms available to connect a MySQL client to a MySQL database server, which types of connections are only available on Windows based systems?

- A. TCP/IP
- B. Sockets
- C. Shared Memory
- D. Named Pipes

Answer: C,D

Explanation:**QUESTION NO: 11**

Which of the following statements correctly describes the way to enable and use shared memory connections to the MySQL database server?

- A. Shared memory connections are available by default on all platforms, but must have TCP/IP networking disabled by using the `--skip-networking` option.
- B. Shared memory connections are supported on all windows binaries, and is enabled by default.
- C. Shared memory connections are supported on all windows binaries, and must be enabled by using the `--shared-memory` command line option.
- D. Shared memory is not a supported communication method for the MySQL database server.

Answer: C**Explanation:****QUESTION NO: 12**

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

- A. `--shared-memory`
- B. `--memlock`
- C. `--no-networking`
- D. `--skip-networking`

Answer: D**Explanation:****QUESTION NO: 13**

When making connections to a MySQL server on a Unix platform, which of the following is true?

- A. TCP/IP connections are faster than socket file connections.
- B. Socket file connections are faster than TCP/IP connections.
- C. TCP/IP and Socket file connections are equally as fast.

Answer: B**Explanation:**

QUESTION NO: 14

Which of the following best describes the processing model for how the MySQL server handles queries?

- A. The server uses a one-tier processing model in which each storage engine optimizes and processes each query issued against it.
- B. The server uses a two-tier processing model: a SQL/optimizer tier and a storage engine tier.
- C. The server uses a three-tier processing model: a SQL/optimizer tier, a formatting tier and a storage engine tier.

Answer: B

Explanation:

QUESTION NO: 15

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

Explanation:

QUESTION NO: 16

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

Explanation:

QUESTION NO: 17

Where is the data stored for a table that is defined as using the FEDERATED Storage Engine?

- A. The data will always be stored on the local host.
- B. The data will always be stored on a remote host.
- C. The data can be stored on any host depending on the definition of the table.
- D. The data will always be stored on disk.
- E. The data will always be stored in memory.
- F. The data will be stored according to the storage engine of the referenced table.

Answer: C,F

Explanation:

QUESTION NO: 18

Which of the following statements are true regarding the data directory on a Windows binary installation?

- A. A script needs to be run to initialize it after installation.
- B. It comes pre-initialized.
- C. You can choose to pre-initialize it or initialize it manually during the installation.

Answer: B

Explanation:

QUESTION NO: 19

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

Explanation:

QUESTION NO: 20

Which of the following package types are provided specifically for UNIX-style OS installations?

- A. Essentials
- B. RPM
- C. Source

D. Tar-packaged binary

Answer: B,C,D

Explanation:

QUESTION NO: 21

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 MySQLQuery Browser.
- E. They may include libraries not available in the standard operating system library.

Answer: A,C,E

Explanation:

QUESTION NO: 22

A windows binary installation includes several servers in the MySQL installation directory. What is the purpose of the mysqld-nt server?

- A. It is the standard server with no extra features
- B. It is the standard server with additional support for named pipes.
- C. It is the standard server with additional support for named pipes and extra storage engines.
- D. It is a debug-version of the server with named pipes and error reporting facilities to help track down errors in the server.
- E. It is the standard server, compiled to be optimized for Windows NT 4.0 (but not other Windows versions).

Answer: B

Explanation:

QUESTION NO: 23

When running the MySQL server under Windows, the --console option is used to display server errors in the console window.

- A. True
- B. False

Answer: A

Explanation:

QUESTION NO: 24

What will the following statement do in a Windows environment? Assume that there are no conflicts in the pathname definitions.

```
C:\> mysql --install MySQL50 --defaults-file=C:\my-opts.cnf
```

- A. MySQL 5.0 will be installed using default configuration file C:\my-opts.cnf.
- B. MySQL will be installed as Windows service name MySQL50 and will use C:\my-opts.cnf as configuration file.
- C. An error message will be issued as --install is not a valid option for mysql.

Answer: B

Explanation:

QUESTION NO: 25

Suppose you install a server with a service name of "MySQL5" rather than the default. What sections in the option files will the server use for configuration?

- A. [Service]
- B. [MySQL5]
- C. [Service MySQL5]
- D. [Mysqld]
- E. [Mysqld MySQL5]

Answer: B,D

Explanation:

QUESTION NO: 26

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?