MySQL 8.0 Database Administrator
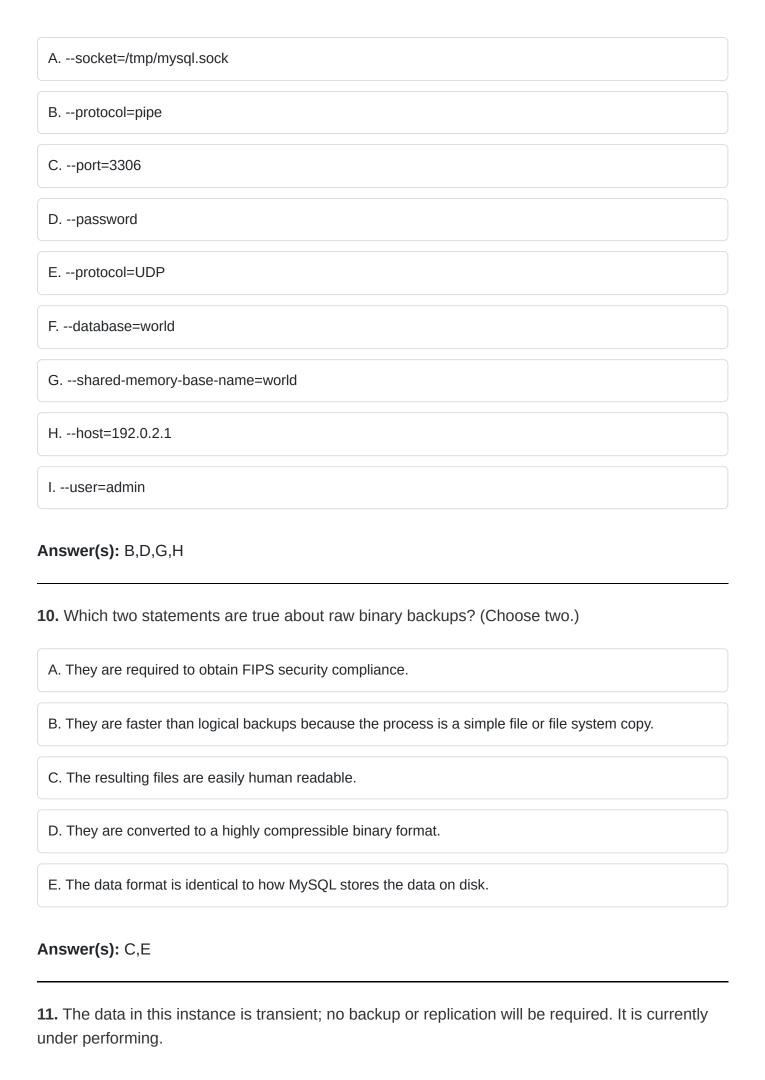
1. Which two are characteristics of snapshot-based backups? (Choose two.)

A. There is no need for InnoDB tables to perform its own recovery when restoring from the snapshot backup.

B. Snapshot-based backups greatly reduce time during which the database and applications are unavailable.

C. Snapshot backups can be used only in virtual machines.

D. The frozen file system can be cloned to another virtual machine immediately into active service.

E. A separate physical copy must be made before releasing the snapshot backup.

Answer(s): C,E

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2. Examine this query and output:

A. The country table is accessed as the first table, and then joined to the city table.

B. It takes more than 8 milliseconds to sort the rows.

C. 35 rows from the city table are included in the result.

D. The optimizer estimates that 51 rows in the country table have Continent = 'Asia'.

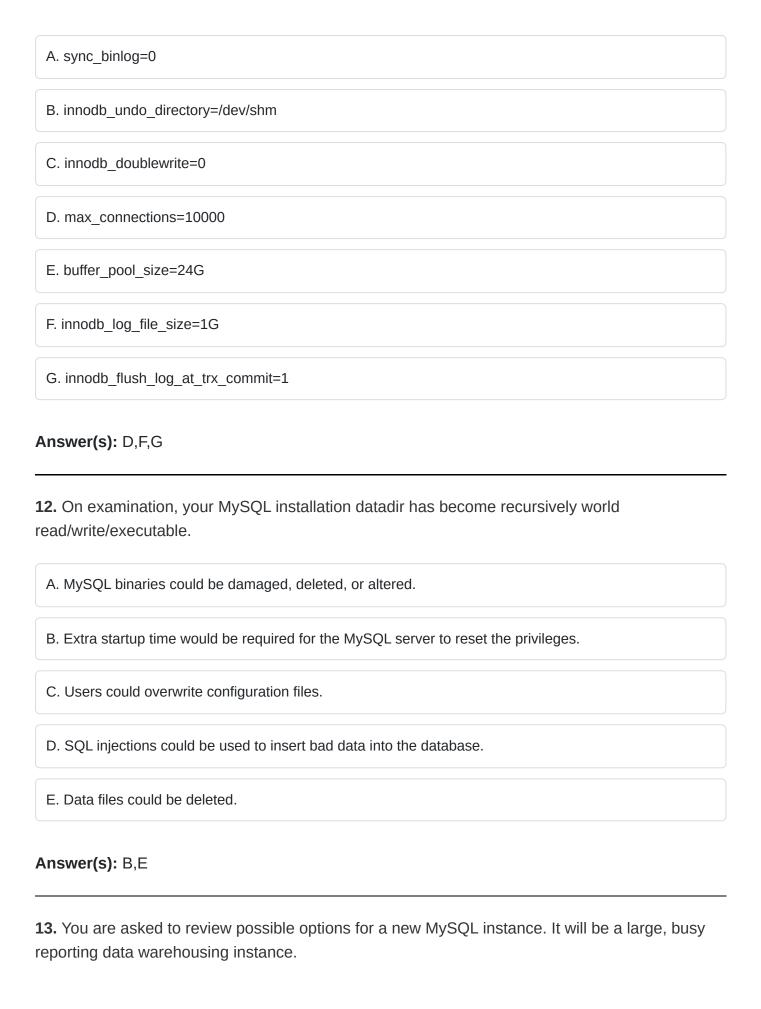E. The query returns exactly 125 rows.

Answer(s): C,D

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3. Examine this command and output:

A. Remove world read privileges from the public_key.pem file.

B. Remove the world read/execute privilege from the accounting directory.

C. Remove world read privileges from the server-cert.pem certificate file.

D. Remove group read/write privileges from the private_key.pem file.

E. Change the group ownership of the mysql directory to the mysql user group.

F. Change the parent directory owner and group to mysql.

Answer(s): E,F

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4. Examine these InnoDB Cluster parameter settings:

A. The primary instance can be specified by using the commandcluster.setPrimaryInstance(<host>: <port>).

B. The instance deployed on host3 is expelled from the cluster and must be rejoined using cluster.addInstance ('host3:3377')

C. The instance deployed on host3 will automatically rejoin the cluster when connectivity is re-established.

D. Failure of the instance deployed on host1 provokes an outage.

E. The instance deployed on host2 is elected as the new primary instance.

F. The issuing command cluster.switchToMuitiPrimaryMode() will fail to enable multi-primary mode.

Answer(s): A,C

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5. Which three are types of InnoDB tablespaces? (Choose three.)

A. encryption tablespaces

B. redo tablespaces

C. undo tablespaces

D. temporary table tablespaces

E. data tablespaces

F. schema tablespaces

Answer(s): A,D,E

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6. You are using mysqlcheck for server maintenance.

A. The mysqlcheck command can be renamed mysqlrepair so that it repairs tables by default.

B. The mysqlcheck --optimize --all-databases command reclaims free space from table files.

C. The mysqlcheck --repair --all-databases command can repair an InnoDB corrupted table.

D. The mysqlcheck --analyze --all-databases command performs a series of checks to spot eventual table corruptions.

E. The mysqlcheck --check --all-databases command takes table write locks while performing a series of checks.

Answer(s): A,D

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7. Examine this statement:

A. You must revoke r_role1 and r_role2 from all users and other roles before dropping the roles.

B. It fails if you do not have the ADMIN OPTION of the roles r_role1 and r_role2.

C. You must revoke all privileges from r_role1 and r_role2 before dropping the roles.

D. It fails if any of the roles is specified in the mandatory_roles variable.

E. It fails if at least one of the roles does not exist.

F. Existing connections can continue to use the roles' privileges until they reconnect.

Answer(s): B,F

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8. Which two are features of MySQL Enterprise Firewall? (Choose two.)

A. blocking of potential threats by configuring pre-approved whitelists

B. automatic locking of user accounts who break your firewall

C. provides stateless firewall access to TCP/3306

D. modifying SQL statement dynamically with substitutions

E. recording incoming SQL statement to facilitate the creation of a whitelist of permitted commands

Answer(s): A,E

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9. You have a MySQL client installed on your Linux workstation with a default installation. You have your admin login credentials to connect to a MySQL server running Microsoft Windows on remote host

A. --socket=/tmp/mysql.sock

B. --protocol=pipe

C. --port=3306

D. --password

E. --protocol=UDP

F. --database=world

G. --shared-memory-base-name=world

H. --host=192.0.2.1

I. --user=admin

Answer(s): B,D,G,H

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10. Which two statements are true about raw binary backups? (Choose two.)

A. They are required to obtain FIPS security compliance.

B. They are faster than logical backups because the process is a simple file or file system copy.

C. The resulting files are easily human readable.

D. They are converted to a highly compressible binary format.

E. The data format is identical to how MySQL stores the data on disk.

Answer(s): C,E

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11. The data in this instance is transient; no backup or replication will be required. It is currently under performing.

A. sync_binlog=0

B. innodb_undo_directory=/dev/shm

C. innodb_doublewrite=0

D. max_connections=10000

E. buffer_pool_size=24G

F. innodb_log_file_size=1G

G. innodb_flush_log_at_trx_commit=1

Answer(s): D,F,G

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12. On examination, your MySQL installation datadir has become recursively world read/write/executable.

A. MySQL binaries could be damaged, deleted, or altered.

B. Extra startup time would be required for the MySQL server to reset the privileges.

C. Users could overwrite configuration files.

D. SQL injections could be used to insert bad data into the database.

E. Data files could be deleted.

Answer(s): B,E

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13. You are asked to review possible options for a new MySQL instance. It will be a large, busy reporting data warehousing instance.

A. ibdatal:12M:autoextend

B. ibdatal:12M;/tmp/ibdata2:12M:autoextend

C. ibdatal:12M;ibdata2:12M;ibdata3:12M

D. ibdatal:12M

E. ibdatal:12M:autoextend;ibdata2:12M:autoextend

F. ibdatal:12M;ibdata2:12M:autoextend

Answer(s): C,D

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14. Your MySQL server was upgraded from an earlier major version.

A. Executing SET GLOBAL innodb_row_format=COMPRESSED and then ALTER TABLE transactions will free up disk space.

B. Executing ALTER TABLE transactions will enable you to free up disk space.

C. Truncating the sales and leads table will free up disk space.

D. The transactions table was created with innodb_file_per_table=OFF.

E. Truncating the transactions table will free up the most disk space.

Answer(s): A,D

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15. Which statement is true about cold backups?

A. They are backups taken from snapshots of a running database.

B. They are good to use if only data structures must be backed up but not log files.

C. They are good to use when many users are online accessing the database.

D. They are backups taken from OS copy commands.

Answer(s): A

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16. Which two are contained in the InnoDB system tablespace (ibdata1) by default? (Chose two.)

A. user privileges

B. change buffer

C. primary indexes

D. InnoDB Data Dictionary

E. doublewrite buffer

F. table data

Answer(s): D,E

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17. Examine this SQL statement:

A. Mark can grant the privileges assigned to the r_read@localhost role to another user.

B. ADMIN OPTION causes the role to be activated by default.

C. Mark can grant the r_read@localhost role to another user.

D. Mark can revoke the r_read@localhost role from another role.

E. ADMIN OPTION allows Mark to drop the role.

F. Mark must connect from localhost to activate the r_read@localhost role.

Answer(s): C,D

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18. Examine this command, which executes successfully:

A. InnoDB redo logs must not rotate for the duration of the execution; otherwise, the recovery will fail.

B. The account used to perform this recovery needs the BACKUP_ADMIN privilege.

C. InnoDB tablespaces outside the datadir are able to be cloned.

D. A target instance must exist, then it will be provisioned with data from an instance already in the cluster and joined to the cluster.

E. A new instance is installed, initialized, and provisioned with data from an instance already in the cluster and joined to the cluster.

F. It is always slower than {recoveryMethod: 'incremental'}.

Answer(s): A,B,F

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19. A user wants to connect without entering his or her username and password on the Linux command prompt.

A. /etc/my.cnf file

B. DATADIR/mysqld-auto.cnf file

C. $HOME/.my.cnf file

D. $MYSQL_HOME/my.cnf file

E. $HOME/.mysqlrc file

F. $HOME/.mysql/auth/login file

G. $HOME/.mylogin.cnf file

Answer(s): A,B,D

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20. A clean shutdown was performed with innodb_fast_shutdown=0.

A. ibtmp1

B. ibdata1

C. mysql.ibd

D. ib_logfile0

E. undo_001

F. ib_buffer_pool

Answer(s): C,F