



1Z0-888^{Q&As}

MySQL 5.7 Database Administrator

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QUESTION 1

Consider the key buffer in a MySQL server. Which two statements are true about this feature? (Choose two.)

- A. It caches index blocks for MyISAM tables only.
- B. It caches index blocks for all storage engine tables.
- C. It is a global buffer.
- D. It is set on a per-connection basis.
- E. It caches index blocks for InnoDB tables only.

Correct Answer: AD

Reference: <https://stackoverflow.com/questions/3663515/mysql-what-is-the-key-buffer>

QUESTION 2

Assuming that a user has correct privileges, which Linux console command will fail to shut down a MySQL server?

- A. `mysqld -e '\shutdown\'`
- B. `service mysqld stop`
- C. `mysqladmin shutdown`
- D. `mysql -e '\shutdown\'`

Correct Answer: A

QUESTION 3

Which are three facts about backups with mysqldump? (Choose three.)

- A. will lock all storage engines for duration of backup
- B. can back up a remote database server
- C. allow a consistent backup to be taken
- D. are able to back up specific items within a database
- E. create automatically compressed backups
- F. are always faster to restore than binary backups

Correct Answer: BCD



QUESTION 4

You want to use the Performance Schema to get the equivalent of SHOW FULL PROCESSLIST.

Which three statements are true? (Choose three.)

- A. The performance impact is less than SHOW FULL PROCESSLIST.
- B. The PROCESS privilege is required.
- C. The events_statements_current consumer must be enabled.
- D. A connection must be instrumented to be included in the list of processes.
- E. The sys.session view provides the process list with additional information.
- F. The threads table contains all the required columns.

Correct Answer: BCF

The PROCESS privilege also enables use of SHOW ENGINE.

The threads table columns with names having a prefix of PROCESSLIST_ provide information similar to that available from the INFORMATION_SCHEMA.PROCESSLIST table or the SHOW PROCESSLIST statement.

Reference: <https://dev.mysql.com/doc/refman/8.0/en/privileges-provided.html>

<https://www.percona.com/blog/2015/10/01/capture-database-traffic-using-performance-schema/>

<https://dev.mysql.com/doc/mysql-perfschema-excerpt/5.7/en/threads-table.html>

QUESTION 5

You want to create the first configuration file for a new installation of MySQL.

1.
You will start mysqld manually (not automate it to start when the host machine starts or execute as a service).
2.
You will stop mysqld using mysqladmin.
3.
You will interact with mysqld by using only the command-line client mysql.

Which option identifies a maximal set of sections where you can put the "max_allowed_packet=16M" parameter without creating a problem?

- A. [mysql] and [mysqld] and [mysqladmin]



- B. [mysql] and [mysqladmin]
- C. [mysql]
- D. [mysqld]
- E. [mysqld] and [mysqladmin]
- F. [mysqladmin]
- G. [mysql] and [mysqld]

Correct Answer: C

Reference: <https://dev.mysql.com/doc/refman/8.0/en/program-variables.html>

QUESTION 6

You have installed MySQL on Oracle Linux 7 using the official RPM distribution, and SELinux is set to "permissive".

Examine this extract of the my.cnf file:

```
[mysql]
port=3301

[mysqld]
port=3302

[mysqld@replica]
port=3303

[replica]
port=3304
```

You issue this command to start MySQL Server:

```
systemctl start mysqld@replica
```

On which port is the server listening?

- A. 3301
- B. 3303
- C. 3302
- D. 3304

Correct Answer: A



QUESTION 7

Which three options are most likely to be changed for production form their default values? (Choose three.)

- A. innodb_buffer_pool_size
- B. max_connections
- C. join_buffer_size
- D. character_set_system
- E. innodb_log_file_size
- F. max_user_connections
- G. port

Correct Answer: EFG

QUESTION 8

What are three typical causes of MySQL becoming suddenly slow and unavailable? (Choose three.)

- A. A configuration change was made.
- B. The hardware includes a single point of failure.
- C. Monitoring has not enabled all Performance Schema instruments.
- D. The MySQL Query Cache is disabled.
- E. OPTIMIZE TABLE is not executed for the InnoDB tables.
- F. The application executes a new untested query.

Correct Answer: CDE

QUESTION 9

While attempting to set up a new replication slave on host `192.168.0.25` with the user `replication`, you encounter this error:

```
ERROR 1218 (08S01): Error connecting to master: Host '192.168.0.25' is not allowed to connect to this MySQL server
```

What should you do to resolve this error?

- A. Add the user replication@192.168.0.25 with the correct password to the master.
- B. Edit the DNS table on the master to include the domain name for the IP address of 192.168.0.25.



C. Edit the my.ini file on the slave so that the master-host variable is equal to the IP address of the master, and restart the slave.

D. Add the user replication@192.168.0.25 with the correct password to the slave.

Correct Answer: A

QUESTION 10

Which two statements can be used to adjust the sort_buffer_size variable on a running MySQL server? (Choose two.)

A. mysql> SET GLOBAL sort_buffer_size=256000;

B. mysql> SET SESSION sort_buffer_size=256000;

C. mysql> CONF T; do global sort_buffer_size=256000;

D. mysql> system sort_buffer_size=256000;

E. mysql> SET VARIABLE sort_buffer_size=256000;

Correct Answer: AB

SET GLOBAL sort_buffer_size = 1000000, SESSION sort_buffer_size = 1000000;

Reference:<https://dev.mysql.com/doc/refman/5.7/en/set-variable.html>

QUESTION 11

Which two statements describe how InnoDB recovery works? (Choose two.)

A. InnoDB handles most crash recoveries automatically.

B. InnoDB blocks some operations when innodb_force_recovery is set to greater than 0.

C. There will in general be lost committed transactions after a crash using the default settings.

D. It is required to enable binlog_gtid_simple_recovery to perform a crash recovery.

E. It is recommended to set innodb_force_recovery = 1 as part of normal operations.

F. It is always required to enable innodb_force_recovery to perform a crash recovery.

Correct Answer: BF

QUESTION 12

After analysis on the slow query log on a high-end OLTP service, the table identified in the slow queries is: What are the two most likely reasons for the slowness given this output? (Choose two.)



```
CREATE TABLE transactions (  
    User VARCHAR(255) NOT NULL,  
    Amount DECIMAL(16,2) NOT NULL,  
    Date DATETIME NOT NULL DEFAULT CURRENT_TIMESTAMP()  
) ENGINE=MyISAM;
```

- A. Date should be a TIMESTAMP field for better performance.
- B. The User field is too long for most names.
- C. The engine type is not appropriate to the application use.
- D. Using default values for DATETIME causes table scans.
- E. No indexes are defined.

Correct Answer: CE

QUESTION 13

You created a backup of the world database with this command: shell> mysqldump --opt world > dump.sql

Which two will import the data from dump.sql? (Choose two.)

- A. shell> mysqladmin recover test dump.sql
- B. shell> mysql test
- C. shell> mysqlimport test dump.sql
- D. mysql> USE test; mysql> LOAD DATA INFILE `dump.sql`;
- E. mysql>USE test; mysql>SOURCE dump.sql;

Correct Answer: CD

QUESTION 14

Which two are considered good security practices when using passwords? (Choose two.)

- A. Use one-way encryption for storage of passwords.
- B. Store passwords external to the database.
- C. Choose short passwords to save on storage space.
- D. Use simple keyboard actions that give mixed letters.



E. Do not use dictionary-based words.

Correct Answer: AE

Reference: <https://stackoverflow.com/questions/14798275/best-way-to-store-passwords-in-mysqldatabase>

QUESTION 15

Consider:

```
mysql> EXPLAIN SELECT Name FROM Country WHERE Population BETWEEN 1 AND 10000\G
***** 1. row *****
      id: 1
  select_type: SIMPLE
        table: Country
         type: range
possible_keys: i_pop
          key: i_pop
         key_len: 4
          ref: NULL
         rows: 10
      Extra: Using where
```

What does the range value in the type column mean?

- A. You can use an index and return rows that fall within a range of values.
- B. The table will be scanned over a certain range of values.
- C. This type of index uses the range hash.
- D. There is a range of indexes that can be used.

Correct Answer: C

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