## Congratulations! You passed!

Grade received 92% Latest Submission Grade 92% To pass 80% or higher

Retake the assignment in 23h 39m

Go to next item

• In which phase of the database lifecycle does the database administrator determine the purpose and scope of the database?	1/1 point
<ul> <li>Requirements analysis</li> <li>Implementation</li> <li>Monitor and maintain</li> <li>Design and plan</li> </ul>	
∠ <sup>7</sup> Expand  ⊘ Correct	
In the requirements analysis stage, database administrators determine the purpose and scope of the database by interviewing data users and producers, examining the data, and creating samples.	
<ul> <li>Which of the following database objects is a set of pointers used to improve performance and ensure the uniqueness of the data?</li> <li>Alias</li> <li>Trigger</li> </ul>	1/1 point
Index     Key	
∠ <sup>2</sup> Expand	
Correct An index is a set of pointers used to improve performance and ensure the uniqueness of the data.	
<ul> <li>Which of the following statements is correct about modifying the configuration of a cloud-based relational database?</li> </ul>	1/1 point
<ul> <li>You can modify the configuration while the service is running.</li> <li>You must use the command line to modify the configuration.</li> <li>You need to modify the configuration files directly.</li> </ul>	
You can safely discard the configuration files after modifying them.	
eg <sup>™</sup> Expand	
Correct One advantage of cloud-based systems is that you can scale many configuration options through a graphical interface as the service is running. You don't have to edit configuration files.	
<ul> <li>Database partitions store subsets of data from very large databases. Which of the following environments commonly use partitions?</li> </ul>	1 / 1 point
Users' personal storage	
Classroom grades	
Data analysis for BI	
Customer directories	

∠ <sup>7</sup> Expand	
<ul> <li>Correct         Partitions are used in scenarios with very large volumes of data like data analysis for business intelligence.     </li> </ul>	
• What is one advantage of logical backups over physical backups?	1/1 point
Logical backups are useful for large databases that require fast recovery times.  Logical backups create copies of all the data files and directories.  Logical backups are often smaller and quicker.  Logical backups allow you to recreate the database on another system.	
∠ <sup>™</sup> Expand	
Correct A logical backup creates a file containing DDL and DML commands that recreate the objects and data in the database. With this file, you can recreate the database on the same or another system.	
• Transaction logs typically have which of the following characteristics?	1/1 point
Plain text Human readable Binary format No encryption	
∠ <sup>2</sup> Expand	
Correct Many types of logs, such as diagnostic and error logs, are mostly in text format and are human readable. However, transaction logs are typically in binary formats that are sometimes encrypted and require specialized tools to format and display contents.	
<ul> <li>Which type of backup is simple to create and restore, but can be slow to run and results in large files?</li> </ul> Point-in-time	1/1 point
Full Incremental Differential	
∠ <sup>2</sup> Expand	
○ Correct Full backups are simple to create and restore, but can be slow to run and result in large files.	
<ul> <li>Assume that a particular database issue, should it occur, is important but does not require your immediate attention. Which automated database feature should you use to inform you when this issue occurs?</li> </ul>	1/1 point
<ul><li>○ Traces</li><li>○ Alerts</li><li>○ Reports</li></ul>	
Notifications	

 $\swarrow^{\nearrow}$  Expand

Together authentication, authorization, encryption, and auditing provide system and data security. Which security method provides information that you can analyze to determine and find weak spots?	1 / 1 poin
<ul><li>Auditing</li><li>Encryption</li><li>Authentication</li></ul>	
△ Authorization	
<ul> <li>Correct         Auditing lets you track server and database access, see what actions are taken, and provides this information to you for analyzing the security.     </li> </ul>	
When creating a backup and restore policy, you must determine an appropriate schedule. Which of the following factors should impact your decision regarding this schedule?	1/1poir
Use of manual or automated backup  Impact of data loss on your business  Sensitivity and proprietary nature of the data  Time of day that users commonly access the data	
∠ <sup>7</sup> Expand  ✓ Correct  To determine an appropriate backup schedule, consider when users commonly access the data. For example, if your data is mainly accessed during the working day in one time zone, you should schedule your backup outside of those hours.	
When you first create a database user, how many permissions will the user generally have by default?	1 / 1 poin
The user will have just one permission.  The user will have up to five permissions.  The user will have few or no permissions.  The user will have all existing permissions.	
∠ <sup>7</sup> Expand	
Correct When you first create a user, they will generally have few, if any, permissions to interact with the database objects unless they are the creator of the database.	
Which of the following statements can you use to remove privileges granted to a user?	1 / 1 poir
GRANT DELETE UPDATE REVOKE	

You should use notifications to inform you of an issue that is important but does not require your

immediate attention such as failed login attempts.

**⊘** Correct

∠ Expand

You can use the REVOKE statement to remove privileges granted to a user.	
Which of these is NOT a common command for managing storage engines in MySQL?	1 / 1 poin
CREATE TABLE	
SHOW ENGINES	
ALTER TABLE	
© CREATE ENGINE	
CREATE ENGINE	
∠ <sup>7</sup> Expand	
○ Correct     This is not a common command in MySQL.	
Which of the following is a method you can use to audit database activity?	1 / 1 poin
Enable full-scale encryption of all database files.	
Attach actions to events that occur in the database.	
Run an SQL injection string on your database.	
Use a user validation function built into the database system.	
∠ <sup>A</sup> Expand	
○ Correct	
On some relational database systems, you can audit database activity by attaching actions to events that occur in the database.	
What is used to encrypt data into an unreadable string, called a cyphertext?  Security templates	1 / 1 poin
○ Keys	
Algorithms	
O Deciphers	
∠ <sup>7</sup> Expand	
<ul> <li>Correct         Algorithms change the data so that nobody can decipher the text without a key.     </li> </ul>	
In which form of encryption is encryption and decryption invisible to users because the database handles both tasks?	1/1 poin
Transparent data encryption	
— The state of the	
Asymmetric encryption	
Asymmetric encryption Advanced encryption	
Advanced encryption	
Advanced encryption	
Advanced encryption Symmetric encryption	

**⊘** Correct

17. What is one reason that you need to monitor database performance at different levels?	0 / 1 point
Maintaining service agreements	
Verifying data masking	
Ensuring proper authorization	
Recovering lost data	
O Necovering lost data	
∠ <sup>™</sup> Expand	
<b>18.</b> To specify the type of information that an error log will store, database administrators use the log_err_verbosity option to set the server verbosity level to 1, 2, or 3. What type of information will an error log store at a server verbosity level of 3?	1/1 point
Warnings and notes only	
Errors and warnings only	
Errors, warnings, and notes	
C Errors only	
∠ <sup>7</sup> Expand	
Correct If the server verbosity level is set to 3, an error log will store errors, warnings, and notes.	
19. Which tool can you use to monitor your database in real-time?	0 / 1 point
System monitors	
Monitoring tables	
Monitoring snapshots	
Event monitors	
∠ <sup>7</sup> Expand	
⊗ Incorrect	
Refer to the Overview of Database Monitoring video.	
20. What is the automated database task that determines how efficient the database system is?	1/1 point
	1 / 1 point
Schema object check	
O Database configuration check	
Database health check	
○ Trace file cleanup	
2 5	
∠ <sup>7</sup> Expand	
<b>⊘</b> Correct	
The database health check is the process of inspecting a database system to determine the system's health and efficiency.	

 ${\bf 21.} \ {\sf In\ PostgreSQL}, what does the {\sf VACUUM\ command\ do?}$ 

1/1 point

Reconstructs table rows and compacts data  Reports statistics about a table	
∠² Expand	
Correct VACUUM reclaims lost storage space consumed by "dead" tuples. These tuples are not physically removed from their database tables after being deleted or made obsolete by an update during routine PostgreSQL operations.	
A primary key always has which of the following characteristics?	1 / 1 poin
Unique, non-nullable, clustered	
Non-unique, non-nullable, clustered	
Non-unique, nullable, non-clustered	
Unique, nullable, clustered	
∠ <sup>n</sup> Expand	
<ul> <li>✓ Correct</li> <li>A primary key is always unique, non-nullable, and clustered.</li> </ul>	
Which of the following actions might resolve basic connectivity issues?	1 / 1 poin
Character detabase buffering or detabase indusing	
Changing database buffering or database indexing  Adding more physical RAM or physical disk space to the server	
Verifying that the database can be reached from the client	
Defragmenting the hard disk on which the data resides	
∠ <sup>n</sup> Expand	
Correct One common step in resolving a connectivity issue is to verify that the database can be reached from the client. A typical way to perform this verification is to use the PING command from the client to communicate with the server's IP address or host name.	
	1/1 poin
Which of the following SOL server logs shows informational and error events?	1/1 poin
Which of the following SQL server logs shows informational and error events?	
Which of the following SQL server logs shows informational and error events?  © Error log	
© Error log	
Error log Trace log	
Error log  Trace log  Object log	
Error log Trace log Object log Event log	
© Error log © Trace log © Object log © Event log  ∠² Expand  ✓ Correct	
© Error log © Trace log © Object log © Event log  ∠² Expand  ✓ Correct	1/1 poin

J . .

✓ Correct

When you collect data, you should be transparent about what data you will collect, what you will do with the data, who will have access to the data, how you will store the data, and how you will dispose of the data when finished with it. Integrity ✓ Correct Be clear about your procedures and policies and follow them consistently. As far as you can, ensure that others in your organization also follow the correct procedures and Efficiency Consent

✓ Correct

You should get clear consent from data owners before you collect their data. This agreement should detail what data you will be allowed to collect and how you will be allowed to use it.

∠ Expand

**⊘** Correct Great, you got all the right answers.