

Graded Quiz: Overview of Database Management Tasks

1. When a DBA meets with stakeholders like developers, data engineers, and architects to discuss database design, which of the following might be discussed?

1 / 1 point

- ☐ Which logs will be reviewed daily
- ☐ What platform will be used to develop the database software
- ☒ Stress test scenarios for measuring the database's maximum load
- ☐ The cost of server resources

✓ Correct

Correct. DBAs plan how to test the database's load by planning how to stress it.

2. Which is an essential part of the Design and Plan stage of the database life cycle?

1 / 1 point

- ☒ Database modeling
- ☐ Automating repeating tasks
- ☐ Monitoring and maintenance
- ☐ Identifying users

✓ Correct

Correct. In working on a database plan, it's important to model the database to assess how the parts will interact, how users will access the database, and so on.

3. Which of the following database life cycle phases involves automating repeating tasks?

1 / 1 point

- ☐ Design and plan
- ☐ Monitoring and maintenance
- ☒ Implementation
- ☐ Requirements analysis

✓ Correct

Correct. DBAs set up automation for repeating tasks like backups, restores, and deployments to improve efficiency.

4. What is transparency?

1 / 1 point

- ☐ Regular maintenance and backup of the database.
- ☒ Making sure owners of information know what data you plan to collect and how you will use it.
- ☐ Letting all users know who is using the system at all times.
- ☐ Using color coding to make the user interface easier to understand.

✓ Correct

Correct. Transparency is an important ethical practice that builds trust and respect.

5. What is a best practice for compliance?

1 / 1 point

- ☐ Always host your database in the cloud.
- ☐ Make sure you follow laws, but don't worry about industry standards.
- ☐ Write a report every day about what you have done and the time you spent on it.
- ☒ Check to make sure you understand all the regulations that may affect your organization on the national, international, and industry levels.

✓ **Correct**

Correct. Failure to comply with all relevant laws and specifications may result in loss of business, data insecurity, or even legal action.