Graded Quiz: Monitoring and Optimization

1. Reactive monitoring of a database is done after an issue occurs. What is a common situation for when reactive monitoring happens?

`1 / 1 point`

○ Renaming a database

◉ Database security breach

○ Wrong database information

○ Database merge

✓ **Correct**
Correct. The most common situation when reactive monitoring occurs is when database security has been breached.

2. Proactive monitoring is used to prevent reactive monitoring. How is proactive monitoring usually done?

`1 / 1 point`

○ Manual tests

◉ Automated processes

○ Log files

○ Database comparison

✓ **Correct**

3. There are several main types of database indexes. Which type can use non-unique values?

`1 / 1 point`

◉ Secondary

○ Dense

○ Primary

○ Multilevel

✓ **Correct**
Correct. A secondary index may use values that are not unique, like employee names.

4. What does the "locked objects" metric show?

`1 / 1 point`

○ Queries that can't be completed.

○ Physical storage that cannot currently be accessed

○ Inactive users

◉ Processes that have been locked

✓ **Correct**
Correct. This metric displays detailed information about any locked processes and the process that blocked them.

5. Which of the following is not a utility or command for optimizing a database?

1 / 1 point

○ OPTIMIZE TABLE

○ RUNSTATS and REORG

○ VACUUM and REINDEX

◉ MAKEDB and CATEGORY

⊘ **Correct**
Correct. VACUUM and REINDEX, OPTIMIZE TABLE, RUN STATS and REORG are the commands for optimizing the database.