

Activity 4:-

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Artificial Intelligence Research System:

GRANT

1. Grant all privileges on database AIDB to user ai_admin.
2. Grant SELECT and UPDATE privileges on Models table to user researcher_user.
3. Grant EXECUTE privilege on TrainingProcedures table to user analyst_user.

REVOKE

4. Revoke UPDATE privilege on Models table from researcher_user.
5. Revoke EXECUTE privilege on TrainingProcedures from analyst_user.
6. Revoke CREATE VIEW privilege from intern_ai.

USER MANAGEMENT (Optional)

7. Create user reviewer_user with password review@ai.
8. Grant SELECT and REFERENCES privileges on Datasets table to reviewer_user.
9. Revoke REFERENCES privilege from reviewer_user.

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mysql> CREATE DATABASE AIDB;
Query OK, 0 rows affected)

mysql> USE AIDB;
Query OK, 0 rows affected)

mysql> CREATE USER 'ai_admin'@'localhost' IDENTIFIED BY 'pass123';
Query OK, 0 rows affected (0.10 sec)

mysql> CREATE USER 'researcher_user'@'localhost' IDENTIFIED BY 'pass123';
Query OK, 0 rows affected (0.10 sec)

mysql> CREATE USER 'an_admin'@'localhost' IDENTIFIED BY 'pass123';
Query OK, 0 rows affected (0.10 sec)

mysql> CREATE ALL PRIVILEGES ON AIDB.* TO 'ai_admin'@'localhost';
Query OK, 0 rows affected (0.09 sec)

mysql> GRANT SELECT, UPDATE ON AIDB.Models TO 'researcher_user'@'localhost';
Query OK, 0 rows affected (0.06 sec)

mysql> GRANT EXECUTE ON PROCEDURE AIDB.TrainingProcedure1 TO 'an_admin'@'localhost';
Query OK, 0 rows affected (0.07 sec)

mysql> GRANT EXECUTE ON PROCEDURE AIDB.TrainingProcedure1 TO 'analyst'@'localhost';
Query OK, 0 rows affected (0.07 sec)

mysql> REVOKE UPDATE ON AIDB.Models FROM 'researcher_user'@'localhost';
Query OK, 0 rows affected (0.06 sec)

mysql> REVOKE EXECUTE ON AIDB.Models FROM 'analyst'@'localhost';
Query OK, 0 rows affected (0.06 sec)

mysql> FLUSH PRIVILEGES;

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