

SCREENSHOTS OF SQL TABLES :

This screenshot shows the 'Result Grid' of a SQL interface. The title bar reads 'Result Grid | Filter Rows: | Export:'. The first row is 'Grants for readonly_user@localhost'. The second row, which is selected, contains the text 'GRANT USAGE ON *.* TO `readonly_user`@`l...' and 'GRANT SELECT ON `library_db`.* TO `readonl...'.

This screenshot shows a table with two columns: 'user' and 'host'. The table lists several users and their associated hosts, all of which are 'localhost'. The 'readonly_user' entry is highlighted.

user	host
librarian_user	localhost
mysql.infoschema	localhost
mysql.session	localhost
mysql.sys	localhost
readonly_user	localhost
root	localhost

This screenshot shows the 'Result Grid' of a SQL interface. The title bar reads 'Result Grid | Filter Rows: | Export:'. The first row is 'Grants for librarian_user@localhost'. The second row, which is selected, contains the text 'GRANT USAGE ON *.* TO `librarian_user`@`lo...' and 'GRANT ALL PRIVILEGES ON `library_db`.* TO ...'.

EXPLANATION :

The Backup, Restore, and Security task demonstrates the protection and management of the Library Management System database.

The database was backed up using the `mysqldump` command and restored successfully using the MySQL CLI.

User access control was implemented by creating a read-only user and a librarian user with full privileges, then managing their permissions using `GRANT` and `REVOKE`.

These steps ensure data security, controlled access, and reliable recovery of the database in case of data loss or corruption.