Azin Rezaeian- Lab6

Task 1: Backup (5 marks)

1. Text

   Description automatically generatedIn the command prompt with the correct directory path in the setup, type in **mysqldump.exe**   What do you get as output?

PS C:\Users\Azin> & 'C:\Program Files\MySQL\MySQL Server 8.0\bin\mysqldump.exe'

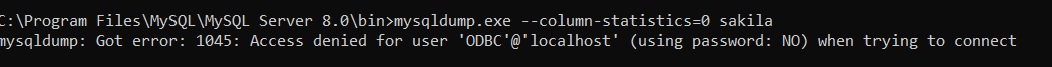
Usage: mysqldump [OPTIONS] database [tables]

OR mysqldump [OPTIONS] --databases [OPTIONS] DB1 [DB2 DB3...]

OR mysqldump [OPTIONS] --all-databases [OPTIONS]

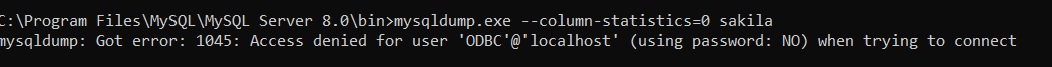
For more options, use mysqldump --help.

1. For the following database, type in **mysqldump.exe --column-statistics=0 sakila**What error message do you receive?



mysqldump: Got error: 1045: Access denied for user 'ODBC'@'localhost' (using password: NO) when trying to connect.

1. Type in **mysqldump.exe --column-statistics=0 -u root sakila**

What error message do you receive now?  And how would you resolve the issue?

mysqldump: Got error: 1045: Access denied for user 'root'@'localhost' (using password: NO) when trying to connect.

To resolve this issue, we need to specify the correct password for the root user account using the "-p" option followed by the password, like this:

mysqldump.exe --column-statistics=0 -u root -p sakila

1. After fixing the issues with #3, what did you get as a result?

After fixing the issues with the mysqldump command by specifying the correct password for the root user account, the command will execute the database backup process for the "sakila" database without any error messages.

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1. What command would send the output to a file called *sk\_backup.sql*? In other words, type in the command to backup the **sakila**database to a file called sk\_backup.sql.

 mysqldump.exe --column-statistics=0 -u root -p sakila > sk\_backup.sql

When the ">" symbol is used as a redirection operator, the output of the mysqldump command will be written to a file called "sk backup.sql" rather than the console. The SQL lines required to recreate the "sakila" database will be found in the sk backup.sql file, which will be produced in the current working directory after the command has been run.

Task 2: Restore (3 marks)

1. type in **mysqladmin.exe**

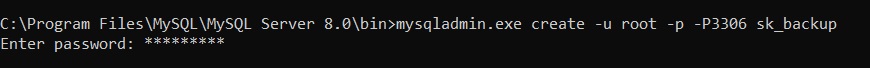
What do you get as output?

Text

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1. What **mysqladmin.exe** command would you use to create a new database called *sk\_backup*?

mysqladmin -u root -p create sk\_backup



1. Now that you've created a new database to restore your database into, what command would you use to restore, into s*k\_backup*, the backup file that you created above?

mysql -u root -p sk\_backup < sk\_backup.sql

