Dumping and Restoring Data in

SQL Format with mysqldump

Dumping Data in SQL Format with mysqldump

- You can use **mysqldump** to create SQL-format dump files. By default, **mysqldump** writes information as SQL statements to the standard output. You can save the output in a text file.

- To dump all databases, invoke **mysqldump** with the **--all-databases** option.

- To dump only specific databases, name them on the command line and use the **--databases** option.

```
Shell> mysqldump -u [user name] -p [database] > db_backup.sql
```

Ex: mysqldump -u root -p --databases 2017_cs_001 > dump.sql

Note: Open Command prompt, change directory to *mysql* and directly type this command. Don't go inside *mysql* and then type this command. You can find the **dump.sql** file in the directory where the mysql.exe executable is.

- With **--all-databases** or **--databases**, **mysqldump** writes **CREATE DATABASE** and **USE** statements prior to the dump output for each database.

- This ensures that when the dump file is reloaded, it creates each database if it does not exist and makes it the default database. So, database contents are loaded into the same database from which they came.

- If you want to cause the dump file to force a drop of each database before recreating it, use the **--add-drop-database** option as well. In this case, **mysqldump** writes **a DROP DATABASE** statement preceding each **CREATE DATABASE** statement.

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Restoring a dump file in SQL Format with mysqldump

- You simply need to run this:

  > Shell >mysql -u [user name] -p [database] < db_backup_dump.sql

Note: Save **dump.sql** file in the directory where the mysql.exe executable is.Open Command prompt, change directory to *mysql* and directly type this command. Don't go inside *mysql* and then type this command.

- Use below *sql* command if **mysqldump** <u>does not contain</u> **CREATE DATABASE** and **USE** statements prior to the dump output for each database. Then database will be creating as **2017_cs_001.**

  Ex: mysql -u root -p 2017_cs_001 < dump.sql

- Use below *sql* command if **mysqldump** <u>contains</u> **CREATE DATABASE** and **USE** statements prior to the dump output for each database.

  Ex: mysql -u root -p < dump.sql

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