

# Week 10 – Database Backup and Recovery

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C:\WINDOWS\system32\cmd. X + ^ Microsoft Windows [Version 10.0.22631.4317] (c) Microsoft Corporation. All rights reserved. C:\Users\geff1>cd C:\xampp\mysql\bin C:\xampp\mysql\bin>mysql -u root -p Enter password: Welcome to the MariaDB monitor. Commands end with ; or \g. Your MariaDB connection id is 14 Server version: 10.4.32-MariaDB mariadb.org binary distribution Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others. Type 'help;' or '\h' for help. Type '\c' to clear the current input statement. MariaDB [(none)]> CREATE DATABASE school; Query OK, 1 row affected (0.001 sec) MariaDB [(none)]> USE school; Database changed MariaDB [school]> CREATE TABLE students (    >     student_id INT PRIMARY KEY AUTO_INCREMENT,    >     name VARCHAR(100),    >     course VARCHAR(100),    >     grade FLOAT    > ); Query OK, 0 rows affected (0.004 sec) MariaDB [school]> INSERT INTO students (name, course, grade) VALUES    >     ('Alice Brown', 'Math', 85.5),    >     ('Bob Smith', 'Science', 90.0),    >     ('Cathy Green', 'English', 88.2); Query OK, 3 rows affected (0.001 sec) Records: 3 Duplicates: 0 Warnings: 0 MariaDB [school]> SELECT * FROM students; +-----+-----+-----+-----+
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C:\> C:\WINDOWS\system32\cmd. X + ▾
+-----+
| student_id | name      | course    | grade |
+-----+
|     1 | Alice Brown | Math      | 85.5 |
|     2 | Bob Smith   | Science   | 90    |
|     3 | Cathy Green | English   | 88.2 |
+-----+
3 rows in set (0.000 sec)

MariaDB [school]> exit
Bye

C:\xampp\mysql\bin>mysqldump -u root -p school > school_backup.sql
Enter password:

C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 16
Server version: 10.4.32-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> USE school;
Database changed
MariaDB [school]> DROP TABLE students;
Query OK, 0 rows affected (0.004 sec)

MariaDB [school]> exit
Bye

C:\xampp\mysql\bin>mysql -u root -p school < school_backup.sql
Enter password:

C:\xampp\mysql\bin>mysql -u root -p
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Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 18
Server version: 10.4.32-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> USE school;
Database changed
MariaDB [school]> SELECT * FROM students;
+-----+
| student_id | name      | course    | grade |
+-----+
|     1 | Alice Brown | Math      | 85.5 |
|     2 | Bob Smith   | Science   | 90    |
|     3 | Cathy Green | English   | 88.2 |
+-----+
3 rows in set (0.001 sec)

MariaDB [school]> exit
Bye
```