**SOFTWARE LABORATORY 1**

**GROUP A – EXPERIMENT 5**

**TITLE:**

Exporting and Importing data

Design and develop SQL DML statements to demonstrate exporting tables to external files of different file formats ex. CSV, XLSX, TXT, etc.

Design and develop SQL DML statements to demonstrate importing data from external files of different file formats ex. CSV, XLSX, TXT, etc.

**CODE:**

student@student-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo mysql

mysql> CREATE DATABASE expimp;

Query OK, 1 row affected (0.01 sec)

mysql> USE expimp;

Database changed

mysql> CREATE TABLE students(id INT PRIMARY KEY, name VARCHAR(100), grade FLOAT);

Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO students (id, name, grade) VALUES (1, 'Aza', 85.5), (2, 'David', 78.0), (3, 'Katty', 92.3);

Query OK, 3 rows affected (0.01 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM students INTO OUTFILE '/var/lib/mysql-files/students.csv' FIELDS TERMINATED BY ',' ENCLOSED BY ' " ' LINES TERMINATED BY '\n';

Query OK, 3 rows affected (0.00 sec)

mysql> SELECT \* FROM students INTO OUTFILE '/var/lib/mysql-files/students.txt' FIELDS TERMINATED BY '\t' LINES TERMINATED BY '\n';

Query OK, 3 rows affected (0.00 sec)

mysql> CREATE TABLE students\_csv\_import(id INT PRIMARY KEY, name VARCHAR(100), grade FLOAT);

Query OK, 0 rows affected (0.03 sec)

mysql> LOAD DATA INFILE '/var/lib/mysql-files/students.csv' INTO TABLE students\_csv\_import FIELDS TERMINATED BY ',' ENCLOSED BY ' " ' LINES TERMINATED BY '\n';

Query OK, 3 rows affected (0.01 sec)

Records: 3 Deleted: 0 Skipped: 0 Warnings: 0

mysql> CREATE TABLE students\_txt\_import(id INT PRIMARY KEY, name VARCHAR(100), grade FLOAT);

Query OK, 0 rows affected (0.04 sec)

mysql> LOAD DATA INFILE '/var/lib/mysql-files/students.txt' INTO TABLE students\_txt\_import FIELDS TERMINATED BY '\t' LINES TERMINATED BY '\n';

Query OK, 3 rows affected (0.00 sec)

Records: 3 Deleted: 0 Skipped: 0 Warnings: 0

mysql> SHOW VARIABLES LIKE 'secure\_file\_priv';

|  |  |
| --- | --- |
| Variable\_name | Value |
| secure\_file\_priv | /var/lib/mysql-files/ |

1 row in set (0.00 sec)

mysql> -- Result: /var/lib/mysql-files/

mysql> SELECT \* FROM students\_csv\_import;

|  |  |  |
| --- | --- | --- |
| id | name | grade |
| 1 | Aza | 85.5 |
| 2 | David | 78 |
| 3 | Katty | 92.3 |

3 rows in set (0.00 sec)

mysql> SELECT \* FROM students\_txt\_import;

|  |  |  |
| --- | --- | --- |
| id | name | grade |
| 1 | Aza | 85.5 |
| 2 | David | 78 |
| 3 | Katty | 92.3 |

3 rows in set (0.00 sec)

mysql> EXIT;

Bye

student@student-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo cat /var/lib/mysql-files/students.csv

"1","Aza","85.5"

"2","David","78"

"3","Katty","92.3"

student@student-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~$ sudo cat /var/lib/mysql-files/students.txt

1 Aza 85.5

2 David 78

3 Katty 92.3