MySql - DML

Course Objective

- To insert ,update and delete data to the tables in MySQL database.

Session Objective

- DML – insert, update & delete

DML Commands

Insert Record

Syntax:

INSERT INTO table_name SET col_name1=value1, col_name2=value2, col_name3=value3, …

Example :

```
INSERT INTO student SET student_id=101 , name='SHANNON',major='BCB',grade='A';
```

| ✅ | 5 | 09:36:00 | INSERT INTO student SET student_id=101 , name='SHANNON',major='BCB',grad... | 1 row(s) affected |

Result Grid | Filter Rows:

student_id	name	major	grade
101	SHANNON	BCB	A

Retrieve Record

Syntax:

SELECT * from FROM table

Example:

SELECT * FROM student

Result Grid			
student_id	name	major	grade
101	SHANNON	BCB	A
102	MIKE	BBMB	A
103	WANG	MCDB	B

Filter Rows:

Retrieve Record with condition

Syntax:

SELECT what_columns
FROM table or tables
WHERE condition

Example:

SELECT major, grade FROM student WHERE name='Shannon';

Result Grid			
student_id	name	major	grade
101	SHANNON	BCB	A

Update Record

Syntax:

UPDATE table_name

SET which columns to change

WHERE condition

Example:

UPDATE student SET grade='B' WHERE name='Shannon';

	14	09:48:11	UPDATE student SET grade='B' WHERE name='Shannon'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0

SELECT * FROM student;

Result Grid			
student_id	name	major	grade
101	SHANNON	BCB	B
102	MIKE	BBMB	A
103	WANG	MCDB	B

Delete Record

Syntax:

DELETE FROM table_name WHERE condition

Example:

DELETE FROM student WHERE name='Shannon';

	16	09:51:07	DELETE FROM student WHERE name='Shannon'	1 row(s) affected

DELETE FROM student;

	18	09:52:21	DELETE FROM student	2 row(s) affected

Will delete ALL student records!

Result Grid | Filter Rows:

student_id	name	major	grade
102	MIKE	BBMB	A
103	WANG	MCDB	B

Result Grid | Filter Rows:

student_id	name	major	grade

ASSIGNMENT

3. DML

Microsoft Word
Document