



MySql - DML



Course Objective

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

```
st1 = mysql_query  
st2 = mysql_query
```

```
$result3 = mysql_query($sql3);  
$result4 = mysql_query($sql4);  
$result5 = mysql_query($sql5);  
$result6 = mysql_query($sql6);  
$result11 = mysql_query($sql11);  
$result22 = mysql_query($sql22);  
$result33 = mysql_query($sql33);  
$result44 = mysql_query($sql44);  
$result55 = mysql_query($sql55);  
$result66 = mysql_query($sql66);  
  
mysql_close();  
  
echo '<p style="font-size:12px; font-weight:bold; color:red">';
```



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: <input type="text"/>				
	student_id	name	major	grade
	101	SHANNON	BCB	A

Retrieve Record





Syntax:

SELECT * from FROM table

Example:

SELECT * FROM student

Result Grid   Filter Rows: <input type="text"/>				
	student_id	name	major	grade
	101	SHANNON	BCB	A
	102	MIKE	BBMB	A
	103	WANG	MCDB	B

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   Filter Rows: <input type="text"/>				
	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			 Filter Rows:	
	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
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Result Grid   Filter Rows: <input type="text"/>				
	student_id	name	major	grade
	102	MIKE	BBMB	A
	103	WANG	MCDB	B

Result Grid   Filter Rows: <input type="text"/>				
	student_id	name	major	grade

Will delete ALL student records!

ASSIGNMENT

3. Practice DML



Tables : MY_EMPLOYEES

1. Describe the structure of the MY_EMPLOYEE table to identify the column names.

Name	Null?	Type
ID	NOT NULL	NUMBER(4)
LAST_NAME		VARCHAR2(25)
FIRST_NAME		VARCHAR2(25)
USERID		VARCHAR2(8)
SALARY		NUMBER(9,2)

2. Add the data to the MY_EMPLOYEE table from the following sample data. Do not list the columns in the INSERT clause.

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895

3. Populate the MY_EMPLOYEE table with the following sample data .
This time, list the columns explicitly in the INSERT clause.

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
2	Dancs	Betty	bdancs	860

4. Confirm your addition to the table.

5. Write an insert statement using placeholder & to insert values into MY_EMPLOYEE table. Concatenate the first letter of the first name and the first seven characters of the last name to produce the userid.

6. Change the last name of employee 3 to Drexler.

7. Change the salary to 1000 for all employees with a salary less than 900.

8. Delete Betty Dancs from the MY_EMPLOYEE table.

9. Empty the entire table.



thank you

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