

MySqI - DML



# Course Objective

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

```
2 = mvsql query
                                    $result4 = mysql_query($sq14)
                                  $result5 = mysql_query($sq15);
                                $result6 = mysql_query($sq16);
                                $result11 = mysql_query($sql)
                               $result22 = mysal mioru/co
                              $result33 = mys
                                                                                                                                                                                                                    5g133);
                            $result44 = mysql_quer
                          $result55 = mysql_query \quad \qqq \quad \q
                         $result66 = mysql_query($sq166);
mysql_close();
cho ' style="font-size:12px: fo
```



**DML Commands** 



#### **Insert Record**



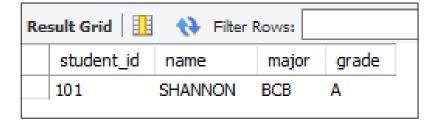
#### Syntax:

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



## **Retrieve Record**



### Syntax:

SELECT\* from FROM table

#### **Example:**

SELECT\* FROM student

Result Grid						
	student_id	name	major	grade		
	101	SHANNON	BCB	Α		
	102	MIKE	BBMB	Α		
	103	WANG	MCDB	В		

## Retrieve Record with condition



#### Syntax:

SELECT what\_columns FROM table or tables WHERE condition

### **Example:**

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



## **Update Record**



#### Syntax:

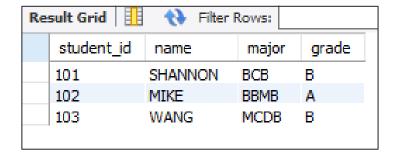
UPDATE table\_name
SET which columns to change
WHERE condition

#### **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;



### **Delete Record**

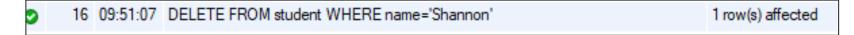


#### Syntax:

DELETE FROM table\_name WHERE condition

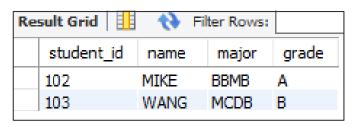
#### **Example:**

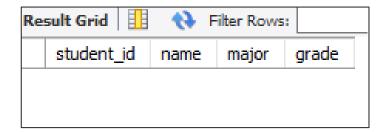
DELETE FROM student WHERE name='Shannon';



#### DELETE FROM student;







#### Will delete ALL student records!

## **ASSIGNMENT**

3. Practice DML





#### **Data Manipulation**

Hex 2551

Tables: MY\_EMPLOYEES

1. Describe the structure of the MY\_EMPLOYEE table to identify the column names.

Name	<b>Null?</b> NOT	Туре	
ID	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.



С

# thank you www.hexaware.com

