**SQL- Structured Query Language.**

**Basic Configuration of DB:**

* Forget pass: config.inc.php (open this file then you can change as you want).
* Create DB: DB> type: db\_name > create// will be created.
* Delete DB: select db> operations> drop db // will be drpped.
* Create DB: SQL> type: **CREATE DATABASE db\_name;** >go// DB will create.
* Delete DB: SQL> type: **DROP DATABASE db\_name;**>go// DB will delete.
* If DB Drop not Work: //Check two condition must true.
* Config.inc.php>$cfg[‘PmaNoRelation\_DeseableWerning’] = true;
* Libery>config.default.php>$cfg[‘AllowUserDropDatabase’] = true;
* **Create Table in DATABASE**:
* **SYNTAX:**

CREATE TABLE table\_name( //table name

Id INT NOT NULL AUTO\_INCREMENT, //id should be int, not null & increment auto.

Column1 VARCHAR(255), //Known as variable character.

Column2 VARCHAR(255), // Can contain letters numbers and special characters.

Column3 datatype,

Column 4 datatype,

PRIMERY KEY(unique id to get the data) // A **primary key** is a field in a table which uniquely identifies each row/record in a **database** table.

);

* **OPERATION:**

CREATE TABLE test(

id INT NOT NULL AUTO\_INCREMENT,

fname VARCHAR(255),

lname VARCHAR(255),

gender ENUM('m','f','o'),

email VARCHAR(255),

pass VARCHAR(255),

number BIGINT(10),

PRIMARY KEY (id) );

* **DATA insert into TABLE**:
* **SYNTAX:** INSERT INTO table\_name(column1, column2, column3, column4, …..)

VALUES (‘value1’, ‘value2’, ‘value3’, ‘value4’)’

(‘value1’, ‘value2’, ‘value3’, ‘value4’);

* **OPERATION:**

**INSERT INTO** customers\_data(FastName, LastName, Email, Address, ZipCode) **VALUES** (‘Nazmul’, ‘Huda’, ‘mh@gmail’, ‘fulbaria’, ‘2216’);

(‘Nuhidul’, ‘Islam’, ‘nu@gmail’, ‘fulbaria’, ‘2230’);

* **UPDATE Table DATA**:
* **SYNTAX**:

UPDATE table\_name

SET column1 = ‘value1’, column2 = ‘value2’

WHERE condition;

* **OPERATION:**

**UPDATE** customer\_data

**SET** FirstName = ‘Nayem’, ‘LastName = ‘Shahrier’, Address = ‘Post Office’

**WHERE** id = 4;

* **DELETE Table Row**:
* **SYNTAX**:

DELETE FROM table\_name

WHERE column= ‘value’; // Can use your id as value.

* **OPERATION:**

**DELETE FROM** customer\_data

**WHERE** id= ‘5’; // then execute row will be deleted.

* **ADD, MODIFY & DROP COLUMN**:
* **SYNTAX ADD COLUMN**:

ALTER TABLE table\_name

ADD column\_name datatype;

* **OPERATION:**

**ALTER TABLE** customers\_data

**ADD** website VARCHAR(255);

* **SYNTAX DROP COLUMN:**

ALTER TABLE table\_name

DROP column\_name;

* **OPERATION:**

**ALTER TABLE** Customers\_data

**DROP** website;

* **SYNTAX MODIFY COLUMN DATATYPE**:

ALTER TABLEtable\_name

MODIFY column\_name datatype;

* **OPERATION:**

**ALTER TABLE** customers\_data

**MODIFY** website INT;

* **SELECT DATA From DB**:
* **SYNTAX**:

SELECT \* FROM table\_name // ‘\*’ Show all column data.

SELECT \* FROM table\_name **LIMIT** 3; //Show First two column.

SELECT \* FROM table\_name LIMIT 3, 4; //Show 3 column from 2nd.

SELECT \* FROM table\_name **Where** id= ‘1’;// Show all data from a row.

SELECT column2, column3 FROM table\_name.

SELECT \* FROM table\_name **ORDER BY** column\_name ;

SELECT \* FROM table\_name ORDER BY column\_name **DESC or ASC;**

SELECT **DISTINCT** column\_name FROM table\_name;// same data single.

* **OPERATION:**

SELECT \* FROM family\_members;

SELECT \* FROM family\_members LIMIT 2;

SELECT \* FROM family\_members LIMIT 2, 3;

SELECT \* FROM family\_members WHERE id= ‘1’;

SELECT Name, Profession FROM family\_members;

SELECT \* FROM family\_members ORDER BY name;

SELECT \* FROM family\_members ORDER BY name DESC or ASC;

SELECT DISTINCT Name FROM family\_members;

* **SET A RANGE With BETWEEN OPERATOR**:
* **SYNTAX BETWEEN OPERATOR**:

SELECT \* FROM table\_name

WHERE column

BETWEEN 22 AND 24;

* **OPERATION:**

SELECT \* FROM customers\_data

WHERE Age

BETWEEN 22 and 24;

**Registration Form Connect To DATABASE**

* **DATABASE CONNECTION**:
* **SYNTAX**:

$var = msqli\_connect(‘host’, ‘username’, ‘password’, dbname’, ‘port’, ‘soket’)

* **OPERATION:**

//Initialize Varriables.....

$username= "";

$email = "";

//Connect to DataBase....

$db = mysqli\_connect('localhost', 'root', '', 'test\_db') or die('could connect to databese');

//Resister User

//REMOVE Special char by this function..

$username= mysqli\_real\_escape\_string();

|  |  |
| --- | --- |
| ALL | TRUE if all of the subquery values meet the condition |
| AND | TRUE if all the conditions separated by AND is TRUE |
| ANY | TRUE if any of the subquery values meet the condition |
| BETWEEN | TRUE if the operand is within the range of comparisons |
| EXISTS | TRUE if the subquery returns one or more records |
| IN | TRUE if the operand is equal to one of a list of expressions |
| LIKE | TRUE if the operand matches a pattern |
| NOT | Displays a record if the condition(s) is NOT TRUE |
| OR | TRUE if any of the conditions separated by OR is TRUE |
| SOME | TRUE if any of the subquery values meet the condition |