First connect to your server

|  |  |
| --- | --- |
| 1 | $host = "Your host name"; |
| 2 | $user = "User name for host"; | |

|  |  |
| --- | --- |
| 3 | $pass = "Password for user"; |
| 4 | $database = "Name of database"; | |

|  |  |
| --- | --- |
| 5 |  |
| 6 | $connect= mysqli\_connect($host,$user,$pass); | |

|  |  |
| --- | --- |
| 7 | mysqli\_select\_db($database ,$connect); |

Once database is connected we can write functions.

Function to insert

Basic query to insert SQL table is

|  |  |  |
| --- | --- | --- |
| 1 | mysqli\_query("INSERT INTO Persons (FirstName, LastName, Age) | |
| 2 | VALUES ('Glenn', 'Quagmire',33)"); |

We will write function to insert values in SQL table

|  |  |
| --- | --- |
| 01 | function InsertInTable($table,&$fields){ |
| 02 | $col = "insert into $table (`".implode("` , `",array\_keys($fields))."`)"; | |

|  |  |  |
| --- | --- | --- |
| 03 | $val = " values('"; | |
| 04 |  |

|  |  |
| --- | --- |
| 05 | foreach($fields as $key => $value) { |
| 06 | $fields[$key] = mysqli\_escape\_string($value); | |

|  |  |  |
| --- | --- | --- |
| 07 | } | |
| 08 |  |

|  |  |  |
| --- | --- | --- |
| 09 | $val .= implode("' , '",array\_values($fields))."');"; | |
| 10 |  |

|  |  |  |
| --- | --- | --- |
| 11 | $fields = array(); | |
| 12 | return; |

|  |  |
| --- | --- |
| 13 | } |

Now where you want values to insert in table call the function and add values in array like below

|  |  |
| --- | --- |
| 1 | $field['FirstName'] = 'Glenn'; |
| 2 | $field['LastName'] = 'Quagmire'; | |

|  |  |  |
| --- | --- | --- |
| 3 | $field['Age'] = '33'; | |
| 4 |  |

|  |  |
| --- | --- |
| 5 | InsertInTable("Persons",$field); |
|  |  |

Function to Update

Basic query to update SQL table with PHP is

|  |  |
| --- | --- |
| 1 | mysqli\_query("UPDATE Persons SET Age=36 |
| 2 | WHERE FirstName='Glenn' AND LastName='Quagmire'"); | |

We will create function to update SQL table will be like this

|  |  |  |
| --- | --- | --- |
| 1 | function UpdateTable($table,&$fields,$condition) { | |
| 2 |  |

|  |  |
| --- | --- |
| 3 | $sql = "update $table set "; |
| 4 | foreach($fields as $key => $value) { | |

|  |  |  |
| --- | --- | --- |
| 5 | $fields[$key] = " `$key` = '".mysqli\_escape\_string($value)."' "; | |
| 6 | } |

|  |  |  |
| --- | --- | --- |
| 7 | $sql .= implode(" , ",array\_values($fields))." where ".$condition.";"; | |
| 8 | $fields = array(); |

|  |  |
| --- | --- |
| 9 | } |

Where you want to update values in table call function like this

|  |  |
| --- | --- |
| 1 | $field['Age'] = '36'; |
| 2 | UpdateTable("Persons",$field," FirstName= 'Glenn'"); | |
|  |  | |

Function to Select

Basic query to select record from table is

|  |  |  |
| --- | --- | --- |
| 1 | $result = mysqli\_query("SELECT \* FROM Persons"); | |
| 2 | while($row = mysqli\_fetch\_array($result)){ |

|  |  |
| --- | --- |
| 3 |  |
| 4 | echo $row['FirstName'] . " " . $row['LastName']; | |

|  |  |  |
| --- | --- | --- |
| 5 | echo "<br>"; | |
| 6 | } |

Function to select record will be like this

|  |  |  |
| --- | --- | --- |
| 01 | function SelectTableRecords($query){ | |
| 02 | $result = mysqli\_query ($query); |

|  |  |
| --- | --- |
| 03 | $count = 0; |
| 04 | $data = array(); | |

|  |  |  |
| --- | --- | --- |
| 05 | while ( $row = mysqli\_fetch\_array($result)){ | |
| 06 | $data[$count] = $row; |

|  |  |  |
| --- | --- | --- |
| 07 | $count++; | |
| 08 | } |

|  |  |  |
| --- | --- | --- |
| 09 | return $data; | |
| 10 | } |

To use this function you will write like this

|  |  |
| --- | --- |
| 1 | SelectTableRecords("SELECT \* FROM Persons"); //for condition put WHERE clause after table name |
|  |  |

Function to Delete

Basic query to delete is

|  |  |
| --- | --- |
| 1 | mysqli\_query("DELETE FROM Persons WHERE LastName='Griffin'"); |

Function to delete any record will be like this

|  |  |
| --- | --- |
| 1 | function DeleteRecord($query){ |
| 2 | $result = mysqli\_query ($query) | |

|  |  |  |
| --- | --- | --- |
| 3 | return true; | |
| 4 | } |

Use this function like below

|  |  |
| --- | --- |
| 1 | DeleteRecord("DELETE FROM Persons WHERE LastName = 'Griffin'"); |