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# PHP MySQL WHERE Clause

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In this tutorial you will learn how to select the records from a MySQL database table based on specific conditions using PHP.

## Filtering the Records

The **WHERE** clause is used to extract only those records that fulfill a specified condition.

The basic syntax of the **WHERE** clause can be given with:

```
SELECT column_name(s) FROM table_name WHERE column_name operator value
```

Let's make a SQL query using the **WHERE** clause in **SELECT** statement, after that we'll execute this query through passing it to the PHP `mysqli_query()` function to get the filtered data.

Consider we've a *persons* table inside the *demo* database that has following records:

id	first_name	last_name	email
1	Peter	Parker	peterparker@mail.com
2	John	Rambo	johnrambo@mail.com
3	Clark	Kent	clarkkent@mail.com
4	John	Carter	johncarter@mail.com
5	Harry	Potter	harrypotter@mail.com

The following PHP code selects all the rows from the *persons* table where `first_name='john'`:

### Example

Procedural

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```
1 <?php
2 /* Attempt MySQL server connection. Assuming you are running MySQL
3 server with default setting (user 'root' with no password) */
4 $link = mysqli_connect("localhost", "root", "", "demo");
5
6 // Check connection
7 if($link === false){
8     die("ERROR: Could not connect. " . mysqli_connect_error());
9 }
10
11 // Attempt select query execution
12 $sql = "SELECT * FROM persons WHERE first_name='john'";
13 if($result = mysqli_query($link, $sql)){
14     if(mysqli_num_rows($result) > 0){
15         echo "<table>";
16         echo "<tr>";
17             echo "<th>id</th>";
18             echo "<th>first_name</th>";
19             echo "<th>last_name</th>";
20             echo "<th>email</th>";
21         echo "</tr>";
22         while($row = mysqli_fetch_array($result)){
23             echo "<tr>";
```

PHP EXAMPLES

PHP REFERENCE

[More references](#)

```
24         echo "<td>" . $row['id'] . "</td>";
25         echo "<td>" . $row['first_name'] . "</td>";
26         echo "<td>" . $row['last_name'] . "</td>";
27         echo "<td>" . $row['email'] . "</td>";
28         echo "</tr>";
29     }
30     echo "</table>";
31     // Close result set
32     mysqli_free_result($result);
33 } else{
34     echo "No records matching your query were found.";
35 }
36 } else{
37     echo "ERROR: Could not able to execute $sql. " . mysqli_error($link);
38 }
39
40 // Close connection
41 mysqli_close($link);
42 ?>
```

After filtration the result set will look something like this:

id	first_name	last_name	email
2	John	Rambo	johnrambo@mail.com
4	John	Carter	johncarter@mail.com

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