

PHP MySQL WHERE Clause

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

Object Oriented

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```
<?php
/* Attempt MySQL server connection. Assuming you are running MySQL
server with default setting (user 'root' with no password) */
$link = mysqli_connect("localhost", "root", "", "demo");

// Check connection
if($link === false){
    die("ERROR: Could not connect. " . mysqli_connect_error());
}

// Attempt select query execution
```

```

$sql = "SELECT * FROM persons WHERE first_name='john'";
if($result = mysqli_query($link, $sql)){
    if(mysqli_num_rows($result) > 0){
        echo "<table>";
        echo "<tr>";
        echo "<th>id</th>";
        echo "<th>first_name</th>";
        echo "<th>last_name</th>";
        echo "<th>email</th>";
        echo "</tr>";
        while($row = mysqli_fetch_array($result)){
            echo "<tr>";
            echo "<td>" . $row['id'] . "</td>";
            echo "<td>" . $row['first_name'] . "</td>";
            echo "<td>" . $row['last_name'] . "</td>";
            echo "<td>" . $row['email'] . "</td>";
            echo "</tr>";
        }
        echo "</table>";
        // Close result set
        mysqli_free_result($result);
    } else{
        echo "No records matching your query were found.";
    }
} else{
    echo "ERROR: Could not able to execute $sql. " .
    mysqli_error($link);
}

// Close connection
mysqli_close($link);
?>

```

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