

## 33. PHP MySQL Select

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### 33.1. Select Data From a Database Table

The SELECT statement is used to select data from a database.

#### Syntax

```
SELECT column_name(s)
FROM table_name
```

To get PHP to execute the statement above we must use the `mysqli_query()` function. This function is used to send a query or command to a MySQL connection.

#### Example

The following example selects all the data stored in the "Persons" table (The \* character selects all the data in the table):

```
<?php
$con=mysqli_connect("example.com","peter","abc123","my_db
");
// Check connection
if (mysqli_connect_errno())
{
    echo "Failed to connect to MySQL: " .
mysqli_connect_error();
}

$result = mysqli_query($con,"SELECT * FROM Persons");

while($row = mysqli_fetch_array($result))
{
    echo $row['FirstName'] . " " . $row['LastName'];
    echo "<br>";
}

mysqli_close($con);
?>
```

The example above stores the data returned by the `mysqli_query()` function in the `$result` variable.

Next, we use the `mysqli_fetch_array()` function to return the first row from the recordset as an array. Each call to `mysqli_fetch_array()` returns the next row in the recordset. The while loop loops through all the records in the recordset. To print the value of each row, we use the PHP `$row` variable (`$row['FirstName']` and `$row['LastName']`).

The output of the code above will be:

Peter Griffin Glenn Quagmire
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## 33.2. Display the Result in an HTML Table

The following example selects the same data as the example above, but will display the data in an HTML table:

```
<?php
$con=mysqli_connect("example.com","peter","abc123","my_db
");
// Check connection
if (mysqli_connect_errno())
{
    echo "Failed to connect to MySQL: " .
    mysqli_connect_error();
}

$result = mysqli_query($con,"SELECT * FROM Persons");

echo "<table border='1'>
<tr>
<th>Firstname</th>
<th>Lastname</th>
</tr>";

while($row = mysqli_fetch_array($result))
{
    echo "<tr>";
    echo "<td>" . $row['FirstName'] . "</td>";
    echo "<td>" . $row['LastName'] . "</td>";
    echo "</tr>";
}
echo "</table>";

mysqli_close($con);
?>
```

The output of the code above will be:

Firstname	Lastname
Glenn	Quagmire
Peter	Griffin