

- **Source code**

## **Home Index**

```
<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

    <title>Temperature Sensor</title>

</head>

<body>

    <form method="get" action="inserTemp.php">

<strong><h1>Enter the temperature value: </h1> </strong>

<input type="text" name="temp"><br>

<input type="submit" name="submit" value="Send Temperature">

    </form>

</body>

</html>
```

## Add Script

```
<?php
$servername = "localhost:3306";
$username = "root";
$password = "";
$dbase = "temperatures";

// Create connection
$conn = new mysqli($servername, $username, $password);

// get the temp value

$temperature = $_GET['temp'];

// Create database
$db = "CREATE DATABASE temperatures";
$conn->query($db);
$conn->close();

// sql to create temperature table
$conn = new mysqli($servername, $username, $password, $dbase);
$table = "CREATE TABLE temperature_sensor (
temperature int
)";
$conn->query($table);

// insert the value
```

```
// Create connection again
$connection = new mysqli($servername, $username, $password, $database);
$insert = "INSERT INTO temperature_sensor (temperature)
VALUES ($temperature)";
if ($connection->query($insert) == True) {
echo "The temperature value ".$temperature." has been added successfully to the database.";
$connection->close();
} else{
echo "The temperature value ".$temperature." has not added successfully to the database.";
$connection->close();
}
?>
```

- **Insert temperature value**



**Enter the temperature value:**

  


- **Value has been added**



The temperature value 1212 has been added successfully to the database.



## • Database

The screenshot shows the phpMyAdmin web interface in a browser window. The address bar indicates the URL: `localhost:2587/phpmyadmin/sql.php?db=temperatures&table=temperature_sensor&pos=0`. The interface is divided into a left sidebar and a main content area.

**Left Sidebar:** A tree view of databases. The 'temperatures' database is highlighted with a red box. Other visible databases include nadadatabase, nada\_database, netbeans, ohmsphp, performance\_schema, phpmymadmin, project, sales, scorpi\_database, ss, store, system, test, testetst, testing, testnow, timetable, tms, tourstravel, vehicles, w1673657\_0, waseem19971, and wassintest.

**Main Content Area:** The top section shows the current selection: 'Server: 127.0.0.1 > Database: temperatures > Table: temperature\_sensor'. Below this, a warning message states: 'Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.' The main display shows 'Showing rows 0 - 0 (1 total. Query took 0.0007 seconds.)'. The SQL query is `SELECT * FROM 'temperature_sensor' Table`. Below the query, there are options to 'Show all', 'Number of rows: 25', and a 'Filter rows' search box. A table with one row is displayed, with the value '1212' in the 'temperature' column, highlighted with a red box. Below the table, there are 'Query results operations' (Print, Copy to clipboard, Export, Display chart, Create view) and a 'Bookmark this SQL query' section with a label input field and a checkbox 'Let every user access this bookmark'.

The Windows taskbar at the bottom shows the system clock as 6:54 AM on 7/27/2022.