

<?php>

CREDENCIALES

ABRE CONEXCION

$sql = "SELECT \* FROM Sensor order by reading\_time desc limit 40";

$result = $conn->query($sql);

while ($fila=mysql\_fetch\_array(@result)){

echo "<p>";

echo "$file("reading\_time");

echo " - ";

echo "$file("value2");

echo "</p>";

}

CIERRA CONEXION

while ($fila=mysql\_fetch\_array($datos)){  
echo "<p>";  
echo "-"; //un separador  
echo $fila ("nombre");  
echo "-"; // un separador  
echo $fila ("email");  
echo "-"; // un separador  
echo $fila ("mensaje");  
echo "<p>";

Edit the newly created file (*esp-chart.php*) and copy the following code:

<http://example.com/esp-chart.php>

<?php

$servername = "localhost";

$dbname = "example\_esp\_data";

$username = "example\_esp\_board";

$password = "YOUR\_USER\_PASSWORD";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

$sql = "SELECT id, value1, value2, value3, reading\_time FROM Sensor order by reading\_time desc limit 40";

$result = $conn->query($sql);

while ($data = $result->fetch\_assoc()){

$sensor\_data[] = $data;

}

$readings\_time = array\_column($sensor\_data, 'reading\_time');

// \*\*\* Uncomment to convert readings time array to your timezone \*\*\*

/\*$i = 0;

foreach ($readings\_time as $reading){

// Uncomment to set timezone to - 1 hour (you can change 1 to any number)

$readings\_time[$i] = date("Y-m-d H:i:s", strtotime("$reading - 1 hours"));

// Uncomment to set timezone to + 4 hours (you can change 4 to any number)

//$readings\_time[$i] = date("Y-m-d H:i:s", strtotime("$reading + 4 hours"));

$i += 1;

}\*/

$value1 = json\_encode(array\_reverse(array\_column($sensor\_data, 'value1')), JSON\_NUMERIC\_CHECK);

$value2 = json\_encode(array\_reverse(array\_column($sensor\_data, 'value2')), JSON\_NUMERIC\_CHECK);

$value3 = json\_encode(array\_reverse(array\_column($sensor\_data, 'value3')), JSON\_NUMERIC\_CHECK);

$reading\_time = json\_encode(array\_reverse($readings\_time), JSON\_NUMERIC\_CHECK);

/\*echo $value1;

echo $value2;

echo $value3;

echo $reading\_time;\*/

$result->free();

$conn->close();

?>

<!DOCTYPE html>

<html>

<meta name="viewport" content="width=device-width, initial-scale=1">

<script src="https://code.highcharts.com/highcharts.js"></script>

<style>

body {

min-width: 310px;

max-width: 1280px;

height: 500px;

margin: 0 auto;

}

h2 {

font-family: Arial;

font-size: 2.5rem;

text-align: center;

}

</style>

<body>

<h2>ESP Weather Station</h2>

<div id="chart-temperature" class="container"></div>

<div id="chart-humidity" class="container"></div>

<div id="chart-pressure" class="container"></div>

<script>

var value1 = <?php echo $value1; ?>;

var value2 = <?php echo $value2; ?>;

var value3 = <?php echo $value3; ?>;

var reading\_time = <?php echo $reading\_time; ?>;

var chartT = new Highcharts.Chart({

chart:{ renderTo : 'chart-temperature' },

title: { text: 'BME280 Temperature' },

series: [{

showInLegend: false,

data: value1

}],

plotOptions: {

line: { animation: false,

dataLabels: { enabled: true }

},

series: { color: '#059e8a' }

},

xAxis: {

type: 'datetime',

categories: reading\_time

},

yAxis: {

title: { text: 'Temperature (Celsius)' }

//title: { text: 'Temperature (Fahrenheit)' }

},

credits: { enabled: false }

});

var chartH = new Highcharts.Chart({

chart:{ renderTo:'chart-humidity' },

title: { text: 'BME280 Humidity' },

series: [{

showInLegend: false,

data: value2

}],

plotOptions: {

line: { animation: false,

dataLabels: { enabled: true }

}

},

xAxis: {

type: 'datetime',

//dateTimeLabelFormats: { second: '%H:%M:%S' },

categories: reading\_time

},

yAxis: {

title: { text: 'Humidity (%)' }

},

credits: { enabled: false }

});

var chartP = new Highcharts.Chart({

chart:{ renderTo:'chart-pressure' },

title: { text: 'BME280 Pressure' },

series: [{

showInLegend: false,

data: value3

}],

plotOptions: {

line: { animation: false,

dataLabels: { enabled: true }

},

series: { color: '#18009c' }

},

xAxis: {

type: 'datetime',

categories: reading\_time

},

yAxis: {

title: { text: 'Pressure (hPa)' }

},

credits: { enabled: false }

});

</script>

</body>

</html>