```
<!DOCTYPE html>
<html>
<head>
	<meta name = "viewport" content = "width=device-width, initial-scale = 1">
	<style>

	header {
		padding: 15px;
		border-style: solid;
		border-color: black;
		background-image:linear-gradient(red,white);
		font-color: white;
		font-size: 15px;
		font-family: monospace;
		opacity: 0.8;
		text-align: center;
	}
	header::after {
		padding: 15px;
		border-style: solid;
		border-color: black;
		background-image:linear-gradient;
		content = "";
		clear: both;
		display: table;
		opacity: 0.8;
		font-family: monospace;
		font-color: white;
	}
```

```
body {
	font-family: monospace;
	margin: 0;
	border-style: black;
	border-color: black;
}
section {
	content = "";
	display: table;
	float: left;
	clear: both;
	width: 100%;
	font-size: 15px;
	border-style: solid;
	border-color: black;
}
table {
	border-style: solid;
	border-color: black;
	width: 80%;
}
th {
	border-style: solid;
	border-color: black;
}
footer {
	padding: 15px;
	color: white;
	border-style: solid;
```

```
                border-color: black;
        }


</style>
<header>
        <h3><b>Demographics Test Script</b></h3>
</header>
</head>
<body>
        <?php


        define("NOAUTH",true);
        require_once "/var/www/html/redcap/redcap_connect.php";
        //The following queries calculate the average for each field
        //takes the average for age within the database and outputs it on a table
        $avg_age_query = "SELECT avg(value) AS AVGAGE FROM informatics.redcap_data WHERE
field_name = 'age'";
        $avg_age_result = mysqli_query($conn, $avg_age_query);
        while ($avg_age_row = mysqli_fetch_assoc($avg_age_result))
        {
                $avg_age_output = $avg_age_row['AVGAGE'];
        }
        if($avg_age_output == null)
        {
                $avg_age_output = 0;
        }


        //takes the average value for height within the database and outputs it on a table
```

```
$avg_height_query = "SELECT avg(value) AS AVGHEIGHT FROM informatics.redcap_data WHERE field_name = 'height'";

$avg_height_result = mysqli_query($conn, $avg_height_query);

while ($avg_height_row = mysqli_fetch_assoc($avg_height_result))

{

	$avg_height_output = $avg_height_row['AVGHEIGHT'];

}

if($avg_height_output == null)

{

	$avg_height_output = 0;

}


//takes the average value for weight within the database and outputs it on a table

$avg_weight_query = "SELECT avg(value) AS AVGWEIGHT FROM informatics.redcap_data WHERE field_name = 'weight'";

$avg_weight_result = mysqli_query($conn, $avg_weight_query);

while ($avg_weight_row = mysqli_fetch_assoc($avg_weight_result))

{

	$avg_weight_output = $avg_weight_row['AVGWEIGHT'];

}

if($avg_weight_output == null)

{

	$avg_weight_output = 0;

}


//takes the average value for temp within the database and outputs it on a table

$avg_temp_query = "SELECT avg(value) AS AVGTEMP FROM informatics.redcap_data WHERE field_name = 'temperature'";

$avg_temp_result = mysqli_query($conn, $avg_temp_query);

while ($avg_temp_row = mysqli_fetch_assoc($avg_temp_result))
```

```
{
        $avg_temp_output = $avg_temp_row['AVGTEMP'];
}
if($avg_temp_output == null)
{
        $avg_temp_output = 0;
}

//takes the average for respiratory rate within the database and outputs it on a table
$avg_resp_query = "SELECT avg(value) AS AVGRESP FROM informatics.redcap_data WHERE field_name = 'respiratory_rate'";
$avg_resp_result = mysqli_query($conn, $avg_resp_query);
while ($avg_resp_row = mysqli_fetch_assoc($avg_resp_result))
{
        $avg_resp_output = $avg_resp_row['AVGRESP'];
}
if($avg_resp_output == null)
{
        $avg_resp_output = 0;
}

//takes the average for ph levels within the database and outputs it on a table
$avg_ph_query = "SELECT avg(value) AS AVGPH FROM informatics.redcap_data WHERE field_name = 'ph_units'";
$avg_ph_result = mysqli_query($conn, $avg_ph_query);
while ($avg_ph_row = mysqli_fetch_assoc($avg_ph_result))
{
        $avg_ph_output = $avg_ph_row['AVGPH'];
}
```

```
if($avg_ph_output == null)
{
	$avg_ph_output = 0;
}

//takes the average o2 saturation collected within the database and outputs it on a table
$avg_O2_query = "SELECT avg(value) AS AVGO2 FROM informatics.redcap_data WHERE field_name = 'o2_saturation_collected'";
$avg_O2_result = mysqli_query($conn, $avg_O2_query);
while ($avg_O2_row = mysqli_fetch_assoc($avg_result_row))
{
	$avg_O2_output = $avg_O2_row['AVGO2'];
}
if ($avg_O2_output == null)
{
	$avg_O2_output = 0;
}

//The following queries calculate the minimum for each field name
//takes the minimum value for age within the database and outputs it on a table
$min_age_query = "SELECT min(value) AS MINAGE FROM informatics.redcap_data WHERE field_name = 'age'";
$min_age_result = mysqli_query($conn,$min_age_query);
while ($min_age_row = mysqli_fetch_assoc($min_age_result))
{
	$min_age_output = $min_age_row['MINAGE'];
}
if($min_age_output == null)
```

```
{
        $min_age_output = 0;
}

//takes the minimum value for height within the database and outputs it on a table
$min_height_query = "SELECT min(value) AS MINHEIGHT FROM informatics.redcap_data
WHERE field_name = 'height'";
$min_height_result = mysqli_query($conn,$min_height_query);
while ($min_height_row = mysqli_fetch_assoc($min_height_result))
{
        $min_height_output = $min_height_row['MINHEIGHT'];
}
if($min_height_output == null)
{
        $min_height_output = 0;
}

//takes the minimum value for weight within the database and outputs it on a table
$min_weight_query = "SELECT min(value) AS MINWEIGHT FROM informatics.redcap_data
WHERE field_name = 'weight'";
$min_weight_result = mysqli_query($conn, $min_weight_query);
while ($min_weight_row = mysqli_fetch_assoc($min_weight_result))
{
        $min_weight_output = $min_weight_row['MINWEIGHT'];
}
if($min_weight_output == null)
{
        $min_weight_output = 0;
}
```

```
	//takes the minimum value for temperature within the database and outputs it on a table

	$min_temp_query = "SELECT min(value) AS MINTEMP FROM informatics.redcap_data WHERE field_name = 'temperature'";

	$min_temp_result = mysqli_query($conn, $min_temp_query);

	while ($min_temp_row = mysqli_fetch_assoc($min_temp_result));

	{

		$min_temp_output = $min_temp_row['MINTEMP'];

	}

	if($min_temp_output == null)

	{

		$min_temp_output = 0;

	}


	//takes the minimum value for repsiratory rate wihtin the database and outputs it on a table

	$min_resp_query = "SELECT min(value) AS MINRESP FROM informatics.redcap_data WHERE field_name = 'respiratory_rate'";

	$min_resp_result = mysqli_query($conn, $min_resp_query);

	while ($min_resp_result = mysqli_fetch_assoc($min_resp_result))

	{

		$min_resp_output = $min_resp_row['MINRESP'];

	}

	if($min_resp_output == null)

	{

		$min_resp_output = 0;

	}


	//takes the minumum value for ph units within the database and outputs it on a table

	$min_ph_query = "SELECT min(value) AS MINPH FROM informatics.redcap_date WHERE field_name = 'ph_units'";
```

```
$min_ph_result = mysqli_query($conn, $min_ph_query);
while ($min_ph_row = mysqli_fetch_assoc($min_ph_result))
{
	$min_ph_output = $min_ph_row['MINPH'];
}
if ($min_ph_output == null)
{
	$min_ph_output = 0;
}

//takes the minimum value for o2 saturation collected within the database and outputs it on a table
$min_o2_query = "SELECT min(value) AS MINO2 FROM informatics.redcap_data WHERE field_name = 'o2_saturation_collected'";
$min_o2_result = mysqli_query($conn, $min_o2_query);
while ($min_o2_row = mysqli_fetch_assoc($min_o2_result))
{
	$min_o2_output = $min_o2_row['MINO2'];
}
if($min_o2_output == null)
{
	$min_o2_output = 0;
}

//The following queries calculate the maximum value for the field names
//takes the maximum value for age within the database and outputs it on a table
$max_age_query = "SELECT max(value) AS MAXAGE FROM informatics.redcap_date WHERE field_name = 'age'";
$max_age_result = mysqli_query($conn, $max_age_query);
while ($max_age_row = mysqli_fetch_assoc($conn, $max_age_result))
```

```
{
        $max_age_output = $max_age_row['MAXAGE'];
}
if ($max_age_output == null)
{
        $max_age_output = 0;
}

//takes the maximum value height within the database and outputs it on a table
$max_height_query = "SELECT max(value) AS MAXHEIGHT FROM informatics.redcap_data
WHERE field_name = 'height'";
$nax_height_result = mysqli_query($conn, $max_height_query);
while ($max_height_row = mysqli_fetch_assoc($max_height_result))
{
        $max_height_output = $max_height_row['MAXHEIGHT'];
}
if ($max_height_output == null)
{
        $max_height_output = 0;
}

//takes the maximum value for weight within the database and outputs it on a table
$max_weight_query = "SELECT max(value) AS MAXWEIGHT FROM informatics.redcap_data
WHERE field_name = 'weight'";
$max_weight_result = mysqli_query($conn, $max_weight_query);
while ($max_weight_row = mysqli_fetch_assoc($max_weight_result))
{
        $max_weight_output = $max_weight_row['MAXWEIGHT'];
}
```

```
if ($max_weight_output == null)
{
	$max_weight_output = 0;
}

//takes the maximum value for temperature within the database and outputs it on a table
$max_temp_query = "SELECT max(value) AS MAXTEMP FROM informatics.redcap_data WHERE field_name = 'temperature'";
$max_temp_result = mysqli_query($conn, $max_temp_query);
while ($max_temp_row = mysqli_fetch_assoc($max_temp_result))
{
	$max_temp_output = $max_temp_row['MAXTEMP'];
}
if ($max_tmep_output == null)
{
	$max_temp_output = 0;
}

//takes the maximum value for respiratory rate within the database and outputs it on a table
$max_resp_query = "SELECT max(value) AS MAXRESP FROM informatics.redcap_data WHERE field_name = 'respiratory_rate'";
$max_resp_result = mysqli_query($conn, $max_resp_query);
while ($max_resp_row = mysqli_fetch_assoc($max_resp_result))
{
	$max_resp_output = $max_resp_row['MAXRESP'];
}
if ($max_resp_output == null)
{
	$max_resp_output = 0;
```

```
}


//takes the maximum value for ph units within the database and outputs it on a table
$max_ph_query = "SELECT max(value) AS MAXPH FROM informatics.redcap_data WHERE field_name = 'ph_units'";
$max_ph_result = mysqli_query($conn, $max_ph_query);
while ($max_ph_row = mysqli_fetch_assoc($max_ph_result))
{
	$max_ph_output = $max_ph_row['MAXPH'];
}
if ($max_ph_output == null)
{
	$max_ph_output = 0;
}


//takes the maximum value for o2 saturation collected within the database and outputs it on a table
$max_o2_query = "SELECT max(value) AS MAXO2 FROM informatics.redcap_data WHERE field_name = 'o2_saturation_collected'";
$max_o2_result = mysqli_query($conn, $max_o2_query);
while ($max_o2_row = mysqli_fetch_assoc($max_o2_result))
{
	$max_o2_output = $max_o2_row['MAXO2'];
}
if ($max_o2_output == null)
{
	$max_o2_output = 0;
}


?>
```

```
<p>On the table shown below, are the average statistics of demographics that have been admitted to Kentucky Hospitals.</p><br>

<!-- <div class ="dropdown">
	<button onclick ="myFunction()" class = "dropbtn">Dropdown</button>
	<div id = "heightDropdown" class = "dropdown-content">
		<a href = "#Minimum">Minimum Height</a>
		<a href = "#Average">Average Height</a>
		<a href = "#Maximum">Maximum Height</a>
	</div>
</div>


<script>
	function myFunction() {
		document.getElementByID("heightDropdown").classList.toggle("show");
	}

	window.onclick = function(event) {
		if(!event.target.matches('.dropbtn')) {
			var dropdowns = document.getElementsByClassName("dropdown-content");
			var i;
			for (i = 0; i < dropdowns.length; i++) {
				var openDropdown = dropdowns[i];
				if(openDropdown.classList.contains('show')) {
					openDropdown.classList.remove('show');
				}
			}
		}
	}
```

```
</script> -->

<p>This table shows the average for age, height, weight, temperature, respiratory rate, ph level, and O2 demographics levels.</p>

<table>

    <tr>

        <th>Age</th>

        <th>Height</th>

        <th>Weight</th>

        <th>Temperature</th>

        <th>Respiratory Rate</th>

        <th>PH Level</th>

        <th>O2 Saturation Collected</th>

    </tr>

    <tr>

        <th><?php echo $avg_age_output;?></th>

        <th><?php echo $avg_height_output;?></th>

        <th><?php echo $avg_weight_output;?></th>

        <th><?php echo $avg_temp_output;?></th>

        <th><?php echo $avg_resp_output;?></th>

        <th><?php echo $avg_ph_output;?></th>

        <th><?php echo $avg_O2_output;?></th>

</table>

<br><br>

<p>This table shows the minimum vlaue for age, height, weight, temperature, respiratory rate, ph level, and O2 demographic levels.</p>

<table>

    <tr>

        <th>Min Age</th>

        <th>Min Height</th>
```

```
                <th>Min Weight</th>
                <th>Min Temperature</th>
                <th>Min Respiratory Rate</th>
                <th>Min PH Level</th>
                <th>Min O2 Saturation Collected</th>
            </tr>
            <tr>
                <th><?php echo $min_age_output;?></th>
                <th><?php echo $min_height_output;?></th>
                <th><?php echo $min_weight_output;?></th>
                <th><?php echo $min_temp_output;?></th>
                <th><?php echo $min_resp_output;?></th>
                <th><?php echo $min_ph_output;?></th>
                <th><?php echo $min_o2_output;?></th>
            </tr>
        </table>
        <br><br>
        <p>This table shows the maximum value for age, height, weight, tmeperature, respiratory rate, ph level,and O2 demographic levels.</p>
        <table>
            <tr>
                <th>Max Age</th>
                <th>Max Height</th>
                <th>Max Weight</th>
                <th>Max Temperature</th>
                <th>Max Respiratory Rate</th>
                <th>Max PH Level</th>
                <th>Max O2 Saturation Collected</th>
            </tr>
```

```
                <tr>
                        <th><?php echo $max_age_output;?></th>
                        <th><?php echo $max_height_output;?></th>
                        <th><?php echo $max_weight_output;?></th>
                        <th><?php echo $max_temp_output;?></th>
                        <th><?php echo $max_resp_output;?></th>
                        <th><?php echo $max_ph_output;?></th>
                        <th><?php echo $max_o2_output;?></th>
                </tr>
        </table>
</body>
</html>
```