

```
<title>PHP Database Test </title>
<link rel="stylesheet" type="text/css" href="theme.css">
</head>
<body>
<h1>PHP Database Test </h1>

<form action="MorM_DisplayOne.php" method="post">
Boat Name: <input type="text" id = "boats" name= "boats" />
<input type="Submit" /></form>
</body>
```

```
<title> PHP RemoteDB</title>
<h1>PHP RemoteDB</h1>
</head>
<body>
<a href="MorM_DisplayAll.php">Display All</a>
<a href="MorM_DisplayOne.php">Display One</a>

</body>
```

```

<?php

//setup connection variables at top of code to make it easy to change them
$hostName = "localhost";
$databaseName = "test";
$username = "root";
$password = "";
$tableName = "Morm_boats";

//Try to connect to dbms server / host & database by creating an object using mysqli( ) class constructor
// method & passing it connection variables. Report if connection successful, otherwise die/report error
$db = new mysqli($hostName, $username, $password, $databaseName) or die("Could not connect: " . mysql_error());
print("Connection successful to hostName = $hostName; databaseName = $databaseName<br /><br >");

$sql = 'SELECT * FROM ' . $tableName; //Create a SQL statement string

//try to query the database / store returned results & report error if query not successful
//by passing the query method in the $db object the sql statement, if false returned, report error & die
if(!$result = $db->query($sql)){
    die('There was an error running the query [' . $db->error . ']');
}

//Here if both connection to DBMS successful & Query successful, so report it
print("SQL query successful to database table: $tableName <br /><br >"); //report SQL query statement successful

//Display all rows / contents of $result object returned by query using fetch_assoc() method
while($row = $result->fetch_assoc()){
    print( $row["Name"] . " " . $row["Boat"] . " " . $row["Make"] . " " . $row["Model"] . " " . $row["Price"]
    . "<br />");
}

?>

```

```
<?php
```

```
//setup connection variables at top of code to make it easy to change them
```

```
$hostName = "localhost";
```

```
$databaseName = "test";
```

```
$userName = "root";
```

```
$password = "";
```

```
$tableName = "Morm_Boats";
```

```
$boatName = $_POST["boats"];
```

```
//Try to connect to dbms server / host & database by creating an object using mysqli( ) class constructor
```

```
// method & passing it connection variables. Report if connection successful, otherwise die/report error
```

```
$db = new mysqli($hostName, $userName, $password, $databaseName) or die("Could not connect: " . mysql_error());
```

```
print("Connection successful to hostName = $hostName; databaseName = $databaseName<br /><br >");
```

```
$sql = "SELECT * FROM $tableName Where Name = '". $boatName .'"; //Create a SQL statement string
```

```
//try to query the database / store returned results & report error if query not successful
```

```
//by passing the query method in the $db object the sql statement, if false returned, report error & die
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```
if(!$result = $db->query($sql)){
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```
    die('There was an error running the query [' . $db->error . ']);
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```
}
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```
//Here if both connection to DBMS successful & Query successful, so report it
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```
print("SQL query successful to database table: $tableName <br /><br >"); //report SQL query statement successful
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```
//Display all rows / contents of $result object returned by query using fetch_assoc() method
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```
while($row = $result->fetch_assoc()){
```

```
    print( $row["Name"] . " " . $row["Boat"] . " " . $row["Make"] . " " . $row["Model"] . " " . $row["Price"]  
    . "<br />");
```

```
}
```

```
?>
```