**Use Amazon Linux**

**[ec2-user ~]$ sudo yum update**

**[ec2-user ~]$ sudo yum install -y httpd24 php56 php56-mysqlnd**

**[ec2-user ~]$ sudo service httpd start**

**[ec2-user ~]$ sudo chkconfig httpd on**

**To set file permissions for the Apache web server**

**[ec2-user ~]$ sudo groupadd www**

**[ec2-user ~]$ sudo usermod -a -G www ec2-user**

**[ec2-user ~]$ exit**

**[ec2-user ~]$ groups**

**ec2-user wheel www**

**[ec2-user ~]$ sudo chown -R root:www /var/www**

**[ec2-user ~]$ sudo chmod 2775 /var/www**

**[ec2-user ~]$ find /var/www -type d -exec sudo chmod 2775 {} +**

**[ec2-user ~]$ find /var/www -type f -exec sudo chmod 0664 {} +**

**Connect your Apache web server to your RDS DB instance**

**[ec2-user ~]$ cd /var/www**

**[ec2-user ~]$ mkdir inc**

**[ec2-user ~]$ cd inc**

**[ec2-user ~]$ >dbinfo.inc**

**[ec2-user ~]$ nano dbinfo.inc**

**<?php**

**define('DB\_SERVER', 'endpoint');**

**define('DB\_USERNAME', 'huzefa');**

**define('DB\_PASSWORD', 'password');**

**define('DB\_DATABASE', 'sansdb');**

**?>**

**Save and close the dbinfo.inc file.**

**Change the directory to /var/www/html:**

**[ec2-user ~]$ cd /var/www/html**

**Create a new file in the html directory named SamplePage.php, and then edit the file by calling nano (or the editor of your choice).**

**[ec2-user ~]$ >SamplePage.php  
[ec2-user ~]$ nano SamplePage.php**

**<?php include "../inc/dbinfo.inc"; ?>**

**<html>**

**<body>**

**<h1>Sample page</h1>**

**<?php**

**/\* Connect to MySQL and select the database. \*/**

**$connection = mysqli\_connect(DB\_SERVER, DB\_USERNAME, DB\_PASSWORD);**

**if (mysqli\_connect\_errno()) echo "Failed to connect to MySQL: " . mysqli\_connect\_error();**

**$database = mysqli\_select\_db($connection, DB\_DATABASE);**

**/\* Ensure that the Employees table exists. \*/**

**VerifyEmployeesTable($connection, DB\_DATABASE);**

**/\* If input fields are populated, add a row to the Employees table. \*/**

**$employee\_name = htmlentities($\_POST['Name']);**

**$employee\_address = htmlentities($\_POST['Address']);**

**if (strlen($employee\_name) || strlen($employee\_address)) {**

**AddEmployee($connection, $employee\_name, $employee\_address);**

**}**

**?>**

**<!-- Input form -->**

**<form action="<?PHP echo $\_SERVER['SCRIPT\_NAME'] ?>" method="POST">**

**<table border="0">**

**<tr>**

**<td>Name</td>**

**<td>Address</td>**

**</tr>**

**<tr>**

**<td>**

**<input type="text" name="Name" maxlength="45" size="30" />**

**</td>**

**<td>**

**<input type="text" name="Address" maxlength="90" size="60" />**

**</td>**

**<td>**

**<input type="submit" value="Add Data" />**

**</td>**

**</tr>**

**</table>**

**</form>**

**<!-- Display table data. -->**

**<table border="1" cellpadding="2" cellspacing="2">**

**<tr>**

**<td>ID</td>**

**<td>Name</td>**

**<td>Address</td>**

**</tr>**

**<?php**

**$result = mysqli\_query($connection, "SELECT \* FROM Employees");**

**while($query\_data = mysqli\_fetch\_row($result)) {**

**echo "<tr>";**

**echo "<td>",$query\_data[0], "</td>",**

**"<td>",$query\_data[1], "</td>",**

**"<td>",$query\_data[2], "</td>";**

**echo "</tr>";**

**}**

**?>**

**</table>**

**<!-- Clean up. -->**

**<?php**

**mysqli\_free\_result($result);**

**mysqli\_close($connection);**

**?>**

**</body>**

**</html>**

**<?php**

**/\* Add an employee to the table. \*/**

**function AddEmployee($connection, $name, $address) {**

**$n = mysqli\_real\_escape\_string($connection, $name);**

**$a = mysqli\_real\_escape\_string($connection, $address);**

**$query = "INSERT INTO `Employees` (`Name`, `Address`) VALUES ('$n', '$a');";**

**if(!mysqli\_query($connection, $query)) echo("<p>Error adding employee data.</p>");**

**}**

**/\* Check whether the table exists and, if not, create it. \*/**

**function VerifyEmployeesTable($connection, $dbName) {**

**if(!TableExists("Employees", $connection, $dbName))**

**{**

**$query = "CREATE TABLE `Employees` (**

**`ID` int(11) NOT NULL AUTO\_INCREMENT,**

**`Name` varchar(45) DEFAULT NULL,**

**`Address` varchar(90) DEFAULT NULL,**

**PRIMARY KEY (`ID`),**

**UNIQUE KEY `ID\_UNIQUE` (`ID`)**

**) ENGINE=InnoDB AUTO\_INCREMENT=1 DEFAULT CHARSET=latin1";**

**if(!mysqli\_query($connection, $query)) echo("<p>Error creating table.</p>");**

**}**

**}**

**/\* Check for the existence of a table. \*/**

**function TableExists($tableName, $connection, $dbName) {**

**$t = mysqli\_real\_escape\_string($connection, $tableName);**

**$d = mysqli\_real\_escape\_string($connection, $dbName);**

**$checktable = mysqli\_query($connection,**

**"SELECT TABLE\_NAME FROM information\_schema.TABLES WHERE TABLE\_NAME = '$t' AND TABLE\_SCHEMA = '$d'");**

**if(mysqli\_num\_rows($checktable) > 0) return true;**

**return false;**

**}**

**?>**

**Save and close the SamplePage.php file.**