**Code**

1. index.php

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Dashboard</title>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">

<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<style>

.wrapper{

width: 600px;

margin: 0 auto;

}

table tr td:last-child{

width: 120px;

}

</style>

<script>

$(document).ready(function(){

$('[data-toggle="tooltip"]').tooltip();

});

</script>

</head>

<body>

<div class="wrapper">

<div class="container-fluid">

<div class="row">

<div class="col-md-12">

<div class="mt-5 mb-3 clearfix">

<h2 class="pull-left">Employees Details</h2>

<a href="create.php" class="btn btn-success pull-right"><i class="fa fa-plus"></i> Add New Employee</a>

</div>

<?php

// Include config file

require\_once "config.php";

$sql = "SELECT \* FROM employees";

if($result = mysqli\_query($link, $sql)){

if(mysqli\_num\_rows($result) > 0){

echo '<table class="table table-bordered table-striped">';

echo "<thead>";

echo "<tr>";

echo "<th>#</th>";

echo "<th>Name</th>";

echo "<th>Address</th>";

echo "<th>Salary</th>";

echo "<th>Action</th>";

echo "</tr>";

echo "</thead>";

echo "<tbody>";

while($row = mysqli\_fetch\_array($result)){

echo "<tr>";

echo "<td>" . $row['id'] . "</td>";

echo "<td>" . $row['name'] . "</td>";

echo "<td>" . $row['address'] . "</td>";

echo "<td>" . $row['salary'] . "</td>";

echo "<td>";

echo '<a href="read.php?id='. $row['id'] .'" class="mr-3" title="View Record" data-toggle="tooltip"><span class="fa fa-eye"></span></a>';

echo '<a href="update.php?id='. $row['id'] .'" class="mr-3" title="Update Record" data-toggle="tooltip"><span class="fa fa-pencil"></span></a>';

echo '<a href="delete.php?id='. $row['id'] .'" title="Delete Record" data-toggle="tooltip"><span class="fa fa-trash"></span></a>';

echo "</td>";

echo "</tr>";

}

echo "</tbody>";

echo "</table>";

mysqli\_free\_result($result);

} else{

echo '<div class="alert alert-danger"><em>No records were found.</em></div>';

}

} else{

echo "Oops! Something went wrong. Please try again later.";

}

mysqli\_close($link);

?>

</div>

</div>

</div>

</div>

</body>

</html>

**2. config.php**

<?php

define('DB\_SERVER', 'localhost');

define('DB\_USERNAME', 'root');

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

define('DB\_NAME', 'wt');

$link = mysqli\_connect(DB\_SERVER, DB\_USERNAME, DB\_PASSWORD, DB\_NAME);

if($link === false){

die("ERROR: Could not connect. " . mysqli\_connect\_error());

}

?>

**3. create.php**

<?php

// Include config file

require\_once "config.php";

$name = $address = $salary = "";

$name\_err = $address\_err = $salary\_err = "";

if($\_SERVER["REQUEST\_METHOD"] == "POST"){

// Validate name

$input\_name = trim($\_POST["name"]);

if(empty($input\_name)){

$name\_err = "Please enter a name.";

} elseif(!filter\_var($input\_name, FILTER\_VALIDATE\_REGEXP, array("options"=>array("regexp"=>"/^[a-zA-Z\s]+$/")))){

$name\_err = "Please enter a valid name.";

} else{

$name = $input\_name;

}

$input\_address = trim($\_POST["address"]);

if(empty($input\_address)){

$address\_err = "Please enter an address.";

} else{

$address = $input\_address;

}

$input\_salary = trim($\_POST["salary"]);

if(empty($input\_salary)){

$salary\_err = "Please enter the salary amount.";

} elseif(!ctype\_digit($input\_salary)){

$salary\_err = "Please enter a positive integer value.";

} else{

$salary = $input\_salary;

}

if(empty($name\_err) && empty($address\_err) && empty($salary\_err)){

$sql = "INSERT INTO employees (name, address, salary) VALUES (?, ?, ?)";

if($stmt = mysqli\_prepare($link, $sql)){

mysqli\_stmt\_bind\_param($stmt, "sss", $param\_name, $param\_address, $param\_salary);

$param\_name = $name;

$param\_address = $address;

$param\_salary = $salary;

if(mysqli\_stmt\_execute($stmt)){

header("location: index.php");

exit();

} else{

echo "Oops! Something went wrong. Please try again later.";

}

}

mysqli\_stmt\_close($stmt);

}

mysqli\_close($link);

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Create Record</title>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

<style>

.wrapper{

width: 600px;

margin: 0 auto;

}

</style>

</head>

<body>

<div class="wrapper">

<div class="container-fluid">

<div class="row">

<div class="col-md-12">

<h2 class="mt-5">Create Record</h2>

<p>Please fill this form and submit to add employee record to the database.</p>

<form action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]); ?>" method="post">

<div class="form-group">

<label>Name</label>

<input type="text" name="name" class="form-control <?php echo (!empty($name\_err)) ? 'is-invalid' : ''; ?>" value="<?php echo $name; ?>">

<span class="invalid-feedback"><?php echo $name\_err;?></span>

</div>

<div class="form-group">

<label>Address</label>

<textarea name="address" class="form-control <?php echo (!empty($address\_err)) ? 'is-invalid' : ''; ?>"><?php echo $address; ?></textarea>

<span class="invalid-feedback"><?php echo $address\_err;?></span>

</div>

<div class="form-group">

<label>Salary</label>

<input type="text" name="salary" class="form-control <?php echo (!empty($salary\_err)) ? 'is-invalid' : ''; ?>" value="<?php echo $salary; ?>">

<span class="invalid-feedback"><?php echo $salary\_err;?></span>

</div>

<input type="submit" class="btn btn-primary" value="Submit">

<a href="index.php" class="btn btn-secondary ml-2">Cancel</a>

</form>

</div>

</div>

</div>

</div>

</body>

</html>

**4. delete.php**

<?php

if(isset($\_POST["id"]) && !empty($\_POST["id"])){

require\_once "config.php";

$sql = "DELETE FROM employees WHERE id = ?";

if($stmt = mysqli\_prepare($link, $sql)){

mysqli\_stmt\_bind\_param($stmt, "i", $param\_id);

$param\_id = trim($\_POST["id"]);

if(mysqli\_stmt\_execute($stmt)){

header("location: index.php");

exit();

} else{

echo "Oops! Something went wrong. Please try again later.";

}

}

mysqli\_stmt\_close($stmt);

mysqli\_close($link);

} else{

if(empty(trim($\_GET["id"]))){

header("location: error.php");

exit();

}

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Delete Record</title>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

<style>

.wrapper{

width: 600px;

margin: 0 auto;

}

</style>

</head>

<body>

<div class="wrapper">

<div class="container-fluid">

<div class="row">

<div class="col-md-12">

<h2 class="mt-5 mb-3">Delete Record</h2>

<form action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]); ?>" method="post">

<div class="alert alert-danger">

<input type="hidden" name="id" value="<?php echo trim($\_GET["id"]); ?>"/>

<p>Are you sure you want to delete this employee record?</p>

<p>

<input type="submit" value="Yes" class="btn btn-danger">

<a href="index.php" class="btn btn-secondary">No</a>

</p>

</div>

</form>

</div>

</div>

</div>

</div>

</body>

</html>

**5. update.php**

<?php

require\_once "config.php";

$name = $address = $salary = "";

$name\_err = $address\_err = $salary\_err = "";

if(isset($\_POST["id"]) && !empty($\_POST["id"])){

$id = $\_POST["id"];

$input\_name = trim($\_POST["name"]);

if(empty($input\_name)){

$name\_err = "Please enter a name.";

} elseif(!filter\_var($input\_name, FILTER\_VALIDATE\_REGEXP, array("options"=>array("regexp"=>"/^[a-zA-Z\s]+$/")))){

$name\_err = "Please enter a valid name.";

} else{

$name = $input\_name;

}

$input\_address = trim($\_POST["address"]);

if(empty($input\_address)){

$address\_err = "Please enter an address.";

} else{

$address = $input\_address;

}

$input\_salary = trim($\_POST["salary"]);

if(empty($input\_salary)){

$salary\_err = "Please enter the salary amount.";

} elseif(!ctype\_digit($input\_salary)){

$salary\_err = "Please enter a positive integer value.";

} else{

$salary = $input\_salary;

}

if(empty($name\_err) && empty($address\_err) && empty($salary\_err)){

$sql = "UPDATE employees SET name=?, address=?, salary=? WHERE id=?";

if($stmt = mysqli\_prepare($link, $sql)){

mysqli\_stmt\_bind\_param($stmt, "sssi", $param\_name, $param\_address, $param\_salary, $param\_id);

$param\_name = $name;

$param\_address = $address;

$param\_salary = $salary;

$param\_id = $id;

if(mysqli\_stmt\_execute($stmt)){

header("location: index.php");

exit();

} else{

echo "Oops! Something went wrong. Please try again later.";

}

}

mysqli\_stmt\_close($stmt);

}

mysqli\_close($link);

} else{

if(isset($\_GET["id"]) && !empty(trim($\_GET["id"]))){

$id = trim($\_GET["id"]);

$sql = "SELECT \* FROM employees WHERE id = ?";

if($stmt = mysqli\_prepare($link, $sql)){

mysqli\_stmt\_bind\_param($stmt, "i", $param\_id);

$param\_id = $id;

if(mysqli\_stmt\_execute($stmt)){

$result = mysqli\_stmt\_get\_result($stmt);

if(mysqli\_num\_rows($result) == 1){

$row = mysqli\_fetch\_array($result, MYSQLI\_ASSOC);

$name = $row["name"];

$address = $row["address"];

$salary = $row["salary"];

} else{

// URL doesn't contain valid id. Redirect to error page

header("location: error.php");

exit();

}

} else{

echo "Oops! Something went wrong. Please try again later.";

}

}

mysqli\_stmt\_close($stmt);

mysqli\_close($link);

} else{

// URL doesn't contain id parameter. Redirect to error page

header("location: error.php");

exit();

}

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Update Record</title>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

<style>

.wrapper{

width: 600px;

margin: 0 auto;

}

</style>

</head>

<body>

<div class="wrapper">

<div class="container-fluid">

<div class="row">

<div class="col-md-12">

<h2 class="mt-5">Update Record</h2>

<p>Please edit the input values and submit to update the employee record.</p>

<form action="<?php echo htmlspecialchars(basename($\_SERVER['REQUEST\_URI'])); ?>" method="post">

<div class="form-group">

<label>Name</label>

<input type="text" name="name" class="form-control <?php echo (!empty($name\_err)) ? 'is-invalid' : ''; ?>" value="<?php echo $name; ?>">

<span class="invalid-feedback"><?php echo $name\_err;?></span>

</div>

<div class="form-group">

<label>Address</label>

<textarea name="address" class="form-control <?php echo (!empty($address\_err)) ? 'is-invalid' : ''; ?>"><?php echo $address; ?></textarea>

<span class="invalid-feedback"><?php echo $address\_err;?></span>

</div>

<div class="form-group">

<label>Salary</label>

<input type="text" name="salary" class="form-control <?php echo (!empty($salary\_err)) ? 'is-invalid' : ''; ?>" value="<?php echo $salary; ?>">

<span class="invalid-feedback"><?php echo $salary\_err;?></span>

</div>

<input type="hidden" name="id" value="<?php echo $id; ?>"/>

<input type="submit" class="btn btn-primary" value="Submit">

<a href="index.php" class="btn btn-secondary ml-2">Cancel</a>

</form>

</div>

</div>

</div>

</div>

</body>

</html>

**6. read.php**

<?php

if(isset($\_GET["id"]) && !empty(trim($\_GET["id"]))){

require\_once "config.php";

$sql = "SELECT \* FROM employees WHERE id = ?";

if($stmt = mysqli\_prepare($link, $sql)){

mysqli\_stmt\_bind\_param($stmt, "i", $param\_id);

$param\_id = trim($\_GET["id"]);

if(mysqli\_stmt\_execute($stmt)){

$result = mysqli\_stmt\_get\_result($stmt);

if(mysqli\_num\_rows($result) == 1){

$row = mysqli\_fetch\_array($result, MYSQLI\_ASSOC);

$name = $row["name"];

$address = $row["address"];

$salary = $row["salary"];

} else{

header("location: error.php");

exit();

}

} else{

echo "Oops! Something went wrong. Please try again later.";

}

}

mysqli\_stmt\_close($stmt);

mysqli\_close($link);

} else{

// URL doesn't contain id parameter. Redirect to error page

header("location: error.php");

exit();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>View Record</title>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

<style>

.wrapper{

width: 600px;

margin: 0 auto;

}

</style>

</head>

<body>

<div class="wrapper">

<div class="container-fluid">

<div class="row">

<div class="col-md-12">

<h1 class="mt-5 mb-3">View Record</h1>

<div class="form-group">

<label>Name</label>

<p><b><?php echo $row["name"]; ?></b></p>

</div>

<div class="form-group">

<label>Address</label>

<p><b><?php echo $row["address"]; ?></b></p>

</div>

<div class="form-group">

<label>Salary</label>

<p><b><?php echo $row["salary"]; ?></b></p>

</div>

<p><a href="index.php" class="btn btn-primary">Back</a></p>

</div>

</div>

</div>

</div>

</body>

</html>

**Outputs**











