

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>
</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;

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        $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{

```

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    $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.";
        }
    }
}

```

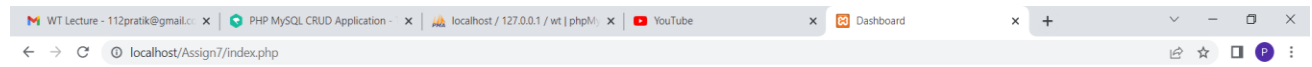
```

    }
}
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>
</div>

```

</body>
</html>

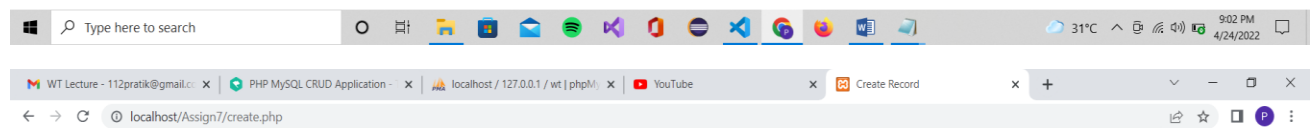
Outputs



Employees Details

+ Add New Employee

#	Name	Address	Salary	Action
1	Pratik Patil	Palus	300000	View Edit Delete
2	Pranav Patil	Palus	400000	View Edit Delete



Create Record

Please fill this form and submit to add employee record to the database.

Name

Address

Salary



Employees Details

+ Add New Employee

#	Name	Address	Salary	Action
1	Pratik Patil	Palus	300000	View Edit Delete
2	Pranav Patil	Palus	400000	View Edit Delete
3	Sunny Surve	Satara	300000	View Edit Delete

View Record

Name

Sunny Surve

Address

Satara

Salary

300000

[Back](#)

Update Record

Please edit the input values and submit to update the employee record.

Name

Address

Salary

Delete Record

Are you sure you want to delete this employee record?