HTML for index page:

<!DOCTYPE html>

```html
<html>
<!-- Swati Tamrakar -->
<head>
   <title>Hourly Salary</title>
   <link rel="stylesheet" type="text/css" href="styles/style.css">
   <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1">
</head>
<nav class = "hBar">
 <a href = "#" id= "icon"><img src = "images/navicon.png"/></a>
<ul>
 <li><a href="#home" class="active">Home</a></li>
 <li><a href = "documents/aboutus.html" target ="blank">About us</a></li>
 <li><a href ="documents/directory.html" target ="blank">Directory</a></li>
 </ul>
 </nav>
<?php
 if (!isset($last_name)) { $last_name = ''; }
 if (!isset($first_name)) { $first_name = ''; }
 if (!isset($hours_worked)) { $hours_worked = ''; }
 if (!isset($hourly_rate)) { $hourly_rate = ''; }
 ?>
<body>
<br><br>
   <main>
      <h1>Enter the following: <br>(Swati Tamrakar)</h1>
   <?php if (!empty($errorMessage)) { ?>
      <p class="error"><?php echo htmlspecialchars($errorMessage);} ?></p>
      <form action="../Ch2A1/documents/netPay.php" method="post">
```

```html
        <div id="data">

            <label>Last Name:</label>

            <input type="text" name="last" required = "true"><br>

            <label>First Name:</label>

            <input type="text" name="first" required = "true" ><br>

    <label>Hours Worked:</label>

            <input type="number" name="hoursWorked" value = "<?php echo
htmlspecialchars($hoursWorked);?>"><br>

    <label>Hourly Rate:</label>

            <input type="number" name="hourlyRate" value = "<?php echo htmlspecialchars($hourlyRate);?>"><br>

        </div>

        <div id="buttons">

            <label> </label>

            <input type="submit" value="Calculate Net Salary" required><br>

        </div>

        </form>

    </main>

    <aside>

    <img class= "money" src="images/money.jpg"/>

    <br><br>

    </aside>

    </body>

    <footer>

    <address>

        ZYX Computer Services          &diams; 123 Somber St &diams; Wichita, KS 67534

    </address>

    </footer>

</html>
```

PHP for Net Calculations:

```php
<?php
//Swati Tamrakar

    // get the data from the form

    $last= filter_input(INPUT_POST,'last');

    $first = filter_input(INPUT_POST,'first');

    $hoursWorked = filter_input(INPUT_POST, 'hoursWorked', FILTER_VALIDATE_FLOAT);

    $hourlyRate = filter_input(INPUT_POST,'hourlyRate', FILTER_VALIDATE_FLOAT);



    //define constants

    define('FED', 0.27);

    define('STATE', 0.15);

    define('FICA', 0.0765);

    define('RETIREMENT', 0.1);

    define('OVERTIME_PAY',1.5);

    define('WEEKHOURS', 40);


    //validate hours worked

    if($hoursWorked === FALSE)

    {

    $errorMessage = 'The hours worked must be a valid number';

    }

    else if($hoursWorked <=0)

    {

    $errorMessage = "Please enter hours greater than zero.";

    }

    //validate hourly wage

    else if($hourlyRate === FALSE)
```

```php
{
$errorMessage = 'The hourly rate must be a valid number';
}
else if($hourlyRate <=0)
{
$errorMessage = "Please enter your hourly wage.";
}
else {
   $errorMessage = '';
}
 // if an error message exists, go to the index page

if ($errorMessage != '') {
   include('../index.php');
   exit();
}
//calculate salary and overtime

if ($hoursWorked <= WEEKHOURS)
{
$salary = $hourlyRate*$hoursWorked;
}
else
if ($hoursWorked > WEEKHOURS )
{
$regSalary  = WEEKHOURS * $hourlyRate;
$overTime = $hoursWorked - WEEKHOURS;
$overTimePay = $overTime*OVERTIME_PAY* $hourlyRate;
$salary = $overTimePay+ $regSalary;
```

```
    }
    // apply currency formatting to the dollar and percent amounts
    //$salary_dp = "$".number_format($salary,2);
    // escape the unformatted input
    $first_escaped = htmlspecialchars($first);
    $last_escaped = htmlspecialchars($last);
?>
```

HTML for Calculations Page:

```html
<!DOCTYPE html>
<html>
<!-- Swati Tamrakar -->
<head>
    <title>Hourly Salary Calculator </title>
    <link rel="stylesheet" type="text/css" href="/Ch2A1/styles/style.css">
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1">
</head>
<nav class = "hBar">
<ul>
 <li><a href="../index.php" class="active">Home</a></li>
 <li><a href = "../documents/aboutus.html" target ="blank">About us</a></li>
 <li><a href ="../documents/directory.html" target ="blank">Directory</a></li>
 </ul>
 <a href = "#" id= "icon"><img src = "/Ch2A1/images/navicon.png"/></a>
 </nav>
    <br>

<body>
    <main>
```

```php
<?php

?>
    <h1>Net Salary Calculator <br>(Swati Tamrakar)</h1>
<label>Name:</label>
    <span><?php echo ucfirst($last).", ". ucfirst($first); ?></span><br>


    <label>Gross Pay:</label>
    <span><?php echo "$".number_format($salary, 2); ?></span><br>


    <label>Federal Tax:</label>
    <span><?php
$federal = $salary* FED;
echo "$".number_format($federal, 2); ?></span><br>


    <label>State Tax:</label>
    <span><?php
$state = $federal*STATE;
echo "$".number_format($state, 2); ?></span><br>


    <label>FICA:</label>
    <span><?php
$fica = $salary * FICA;
echo "$".number_format($fica, 2); ?></span><br>


    <label>Retirement:</label>
    <span><?php
$retirement = $salary * RETIREMENT;
echo "$".number_format($retirement, 2); ?></span><br>
```

```html
    <label>Total Deductions:</label>

    <span><?php

  $deductions = $federal + $state + $fica + $retirement;

  echo "$".number_format($deductions, 2);?></span><br>


    <label>Net Pay:</label>

    <span><?php

  $netPay =$salary - $deductions;

  echo "$".number_format($netPay, 2); ?></span><br>

  </main><br/>

  </main>

</body>

<br>

<footer>

  <address>

    ZYX Computer Services        &diams; 123 Somber St &diams; Wichita, KS 67534

  </address>

  </footer>

</html>
```

CSS

```css
@charset utf-8

/*Swati Tamrakar */


body

{

  font-family: Arial, Helvetica, sans-serif;

  margin-top: 4%;
```

```css
    display:-webkit-flex;
display: flex;
    -webkit-flex-flow: row wrap;
    flex-flow: row wrap;
    width: 100%;


}
footer
{
    width: 100%;
    text-align: center;
    clear: both;
}
main {
    display: block;
    float: left;
    height:50%;
    margin-right: 10%;
    margin-left: 20%;
    padding: 1em;
    background: white;
    border: 3px solid red;


    -webkit-flex: 3 2 250px;
    flex: 3 2 250px;
}
h1 {
    margin-top: 0;
    color: navy;
```

```css
}
label {

   width: 10em;

   float: left;

   padding-right: 1em;

   padding-bottom: .75em;

}

#data input {

   float: left;

   width: 15em;

   margin-bottom: .5em;

}

#data span {

   padding-left: .25em;

}

#buttons input {

   float: left;

   margin-bottom: .5em;

}

br {

   clear: left;

}

nav.hBar

{

   width:100%;

}

nav.hBar

{

   background-color: black;
```

```css
}
nav ul
{
    list-style-type: none;
    margin:0;
    text-align: center;
    display:-webkit-flex;
    display: flex;
    -webkit-flex-flow: no wrap;
    flex-flow: no wrap;

    overflow: hidden;
}
nav li
{
    display: inline;
    padding-left: 60px;
    padding-right:50px;

}
nav li a
{
    text-decoration: none;
    display: block;
        text-align: left;
     padding: 10px 50px;
    color: white;
}
a#icon
```

```css
{
    display: none;
}
aside img
{
display:-webkit-flex;
display: flex;
-webkit-flex: 2 1 200px;
flex: 2 1 200px;
width: 20%;
}


.error {
    color: red;
    font-weight: bold;
}


@media only screen and (max-width:480px)
{
  aside img.money
{
  display:none;
}
}
  a#icon
  {
  display: block;
  width: 20%;
  }
  nav.hBar ul{
```

```css
    display: none;


    }

    a#icon:hover+ul, nav.hBar ul:hover

    {

    display: block;

    }

}
```