# Web Development Practicals

1. Build Your Resume Using HTML, CSS

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Resume</title>

<!-- Google font -->

<link rel="preconnect" href="https://fonts.googleapis.com">

<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

<link href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;0,300;0,400;0,700;1,100;1,300;1,400;1,700&display=swap" rel="stylesheet">

<!-- font-awesome -->

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

<!-- Custom CSS -->

<link rel="stylesheet" href="style.css">

</head>

<body>

<main class="resume-contents">

<section class="left-section">

<div class="left-section-contents">

<div class="profile">

<p class="name">Lorem Ipsum</p>

<p class="profession">Software Engineer</p>

</div>

<div class="contact-info">

<p class="left-title">Contact Info</p>

<ul>

<li><i class="fa fa-phone"></i>+123456789

</li>

<li><i class="fa fa-envelope"></i>loremipsum@amail.com

</li>

<li><i class="fa fa-globe"></i>lorem.ipsum.web

</li>

<li><i class="fa fa-github"></i>loremipsum.github.com

</li>

<li><i class="fa fa-map-marker"></i>70 Dream St, USA

</li>

</ul>

</div>

<div class="skills">

<p class="left-title">Skills</p>

<ul>

<li><p>Python3, Django & Flask</p></li>

<li><p>C & C++, Java</p></li>

<li><p>JavaScript, Angular</p></li>

<li><p>HTML5 & CSS3</p></li>

<li><p>SQL, MySql</p></li>

<li><p>Git & GitHub</p></li>

<li><p>Linux, Bash/Shell</p></li>

</ul>

</div>

<div class="references">

<p class="left-title">References</p>

<div class="refer">

<p class="referance-name">Lorem ipsum</p>

<p class="referance-profession">Lorem, ipsum dolor.</p>

<ul>

<li>

<i class="fa fa-phone"></i>

+123456789

</li>

<li>

<i class="fa fa-envelope"></i>

loremipsum@amail.com

</li>

</ul>

</div>

<div class="refer">

<p class="referance-name">Lorem ipsum</p>

<p class="referance-profession">Lorem, ipsum dolor.</p>

<ul>

<li>

<i class="fa fa-phone"></i>

+123456789

</li>

<li>

<i class="fa fa-envelope"></i>

loremipsum@amail.com

</li>

</ul>

</div>

</div>

</div>

</section>

<section class="right-section">

<div class="right-section-contents">

<section class="about gap">

<div class="right-title">About Me</div>

<p class="about-me-contents">

Lorem ipsum dolor sit amet consectetur adipisicing elit. Soluta quae aliquid ab tempore deleniti modi animi facere,

laborum illum quis in quidem distinctio quod officia unde. Aspernatur eligendi architecto ipsam sint alias consequatur

at modi magni in, accusantium iure voluptates eius possimus? Incidunt veritatis illum corrupti nobis labore expedita.<br>

<br> Lorem ipsum dolor sit amet consectetur adipisicing elit. Possimus temporibus velit minima assumenda atque inventore natus hic,

voluptatem est explicabo voluptate vel, adipisci illum, ratione repellendus! Consequuntur veniam modi nihil.

</p>

</section>

<section class="experience gap">

<div class="right-title">Experience</div>

<div class="experience-contents">

<div class="exp-left">

<p class="exp-company-name">Company one</p>

<p class="exp-time-period">2016-2018</p>

</div>

<div class="exp-right">

<p class="exp-position">position one</p>

<p class="exp-desc">

Lorem, ipsum dolor sit amet consectetur

</p>

</div>

</div>

<div class="experience-contents">

<div class="exp-left">

<p class="exp-company-name">Company two</p>

<p class="exp-time-period">2016-2018</p>

</div>

<div class="exp-right">

<p class="exp-position">position two</p>

<p class="exp-desc">

Lorem, ipsum dolor sit amet consectetur

</p>

</div>

</div>

<div class="experience-contents">

<div class="exp-left">

<p class="exp-company-name">Company three</p>

<p class="exp-time-period">2016-2018</p>

</div>

<div class="exp-right">

<p class="exp-position">position three</p>

<p class="exp-desc">

Lorem, ipsum dolor sit amet consectetur

</p>

</div>

</div>

</section>

<section class="education gap">

<div class="right-title">Education</div>

<div class="education-contents">

<div class="education-left">

<p class="education-school-name">University name</p>

<p class="educationp-time-period">2016-2018</p>

</div>

<div class="education-right">

<p class="education-subject">Computer Science</p>

<p class="education-desc">

Lorem, ipsum dolor sit amet consectetur

</p>

</div>

</div>

<div class="education-contents">

<div class="education-left">

<p class="education-school-name">College name</p>

<p class="educationp-time-period">2016-2018</p>

</div>

<div class="education-right">

<p class="education-subject">Science</p>

<p class="education-desc">

Lorem, ipsum dolor sit amet consectetur

</p>

</div>

</div>

<div class="education-contents">

<div class="education-left">

<p class="education-school-name">School name</p>

<p class="educationp-time-period">2016-2018</p>

</div>

<div class="education-right">

<p class="education-subject">Science</p>

<p class="education-desc">

Lorem, ipsum dolor sit amet consectetur

</p>

</div>

</div>

</section>

<section class="awards gap">

<div class="right-title">Awards & Certificates</div>

<div class="awards-contents">

<div class="awards-left">

<p class="awards-company-name">Company x</p>

<p class="awards-time-period">24 June 2016</p>

</div>

<div class="awards-right">

<p class="awards-name">Employee of the month</p>

<p class="awards-desc">

Lorem, ipsum dolor sit amet consectetur

</p>

</div>

</div>

<div class="awards-contents">

<div class="awards-left">

<p class="awards-company-name">Certificate x</p>

<p class="awards-time-period">12 January 2019</p>

</div>

<div class="awards-right">

<p class="awards-name">Certificate of complition</p>

<p class="awards-desc">

Lorem, ipsum dolor sit amet consectetur

</p>

</div>

</div>

</section>

</div>

</section>

</main>

</body>

</html>

Css:

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

list-style: none;

font-family: 'Roboto', sans-serif;

}

body {

background-color: #AED6F1;

}

.resume-contents {

min-height: 100vh;

width: 80%;

margin: 2rem auto;

display: grid;

grid-template-columns: repeat(7, 1fr);

}

.left-section {

grid-column: span 2;

height: 100%;

background-color: #34495E;

}

.right-section {

grid-column: span 5;

height: 100%;

background-color: #D6DBDF;

}

.left-section-contents{

padding: 2rem 2rem;

}

.profile {

width: 100%;

border-bottom: 2px solid #1B2631;

}

.profile .profile-image {

width: 100%;

border-radius: 50%;

border: 8px solid #1B2631;

}

.name {

color: #D6DBDF;

font-size: 30px;

letter-spacing: 2px;

text-transform: uppercase;

text-align: center;

font-weight: bold;

padding: 1rem 0;

}

.profession {

color: #F9E79F;

font-size: 20px;

text-transform: uppercase;

text-align: center;

letter-spacing: 2px;

font-weight: bold;

padding-bottom: 1rem;

}

.left-title {

color: #D6DBDF;

font-size: 20px;

letter-spacing: 2px;

text-transform: uppercase;

font-weight: bold;

display: flex;

align-items: center;

padding-top: 3rem;

}

.contact-info ul {

padding-top: 1.5rem;

}

.contact-info ul li,

.references ul li {

padding: .4rem 0;

display: flex;

align-items: center;

color: #d6dbdfaf;

letter-spacing: 1px;

font-size: 18px;

}

.contact-info ul li i,

.references ul li i {

padding-right: 1rem;

font-size: 18px;

color: #2E86C1;

}

.skills ul {

padding-top: 1.5rem;

}

.skills ul li p {

padding: .4rem 0;

color: #d6dbdfaf;

font-size: 18px;

letter-spacing: 1px;

display: flex;

align-items: center;

text-transform: uppercase;

}

.referance-name {

padding-top: 1.5rem;

padding-bottom: .4rem;

font-size: 18px;

color: #F9E79F;

letter-spacing: 1px;

text-transform: uppercase;

}

.referance-profession {

font-size: 16px;

color: #d6dbdfaf;

letter-spacing: 1px;

/\* text-transform: uppercase; \*/

padding-bottom: .4rem;

}

.right-section-contents {

padding: 2rem 2rem;

}

.right-title {

color: #34495E;

font-size: 40px;

letter-spacing: 2px;

text-transform: uppercase;

font-weight: bold;

display: flex;

align-items: center;

padding: 2rem 0;

position: relative;

}

.gap {

padding-bottom: 2rem;

}

.about-me-contents {

font-size: 18px;

letter-spacing: 1px;

line-height: 2rem;

}

.experience-contents,

.education-contents,

.awards-contents {

display: grid;

grid-template-columns: repeat(2, 1fr);

padding-bottom: 2rem;

}

.exp-company-name,

.education-school-name,

.awards-company-name {

font-size: 25px;

font-weight: bold;

text-transform: uppercase;

letter-spacing: 1px;

color: #21638f;

padding-bottom: .4rem;

}

.exp-time-period,

.educationp-time-period,

.awards-time-period {

font-size: 18px;

letter-spacing: 1px;

line-height: 2rem;

}

.exp-position,

.education-subject,

.awards-name {

font-size: 25px;

font-weight: bold;

text-transform: uppercase;

letter-spacing: 1px;

color: #2E86C1;

padding-bottom: .4rem;

}

.exp-desc,

.education-desc,

.awards-desc {

font-size: 16px;

letter-spacing: 1px;

line-height: 1.5rem;

border-left: 3px solid #a5a3a3;

padding-left: 5px;

}

1. Build a Timetable Using HTML, CSS

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>IT SEM-5 Time Table</title>

</head>

<style>

h2,

h3 {

text-align: center;

}

p {

font-weight: 600;

}

th,

td {

padding: 10px;

}

.info {

display: flex;

justify-content: space-around;

align-items: center;

margin: 10px 0 20px;

}

</style>

<body>

<h2>SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY, SURAT (042)</h2>

<h3>CLASS TIME TABLE (W.E.F 11/07/2022: \_\_\_\_)</h3>

<div class="info">

<p>BE: III IT</p>

<p>SEMITER: V</p>

<p>YEAR: 2022-2023</p>

<p>CLASS ROOM: K-202</p>

</div>

<table border="1" align="center">

<tr align="center">

<th>Period</th>

<th>1</th>

<th>2</th>

<th rowspan="16">RECESS</th>

<th>3</th>

<th>4</th>

<th rowspan="16">RECESS</th>

<th>5</th>

<th>6</th>

<th>7</th>

</tr>

<tr align="center">

<td>Time</td>

<td>9:00-10:00</td>

<td>10:00-11:00</td>

<td>11:15-12:15</td>

<td>12:15-1:15</td>

<td>2:00-3:00</td>

<td>3:00-4:00</td>

<td>4:00-5:00</td>

</tr>

<tr align="center">

<td rowspan="2">MON</td>

<td>CS</td>

<td>ADA</td>

<td>WEB</td>

<td>PE</td>

<td colspan="2" bgcolor="#ddd">CN (HV, AK) (A) (1)</td>

<td>AI/ML / CS (H)</td>

</tr>

<tr align="center">

<td>(TG)</td>

<td>(MMP)</td>

<td>(AK)</td>

<td>(AM)</td>

<td colspan="2" bgcolor="#ddd">ADA (VJ, MMP) (B) (2)</td>

<td>( )</td>

</tr>

<tr align="center">

<td rowspan="2">TUE</td>

<td>WEB</td>

<td>CN</td>

<td colspan="2" bgcolor="#ddd">WEB(AK, KP) (A) (3)</td>

<td>ADA</td>

<td>DE II A</td>

<td>AI/ML / CS (H)</td>

</tr>

<tr align="center">

<td>(KP)</td>

<td>(AK)</td>

<td colspan="2" bgcolor="#ddd">CS(TG, AM) (B) (2)</td>

<td>(MMP)</td>

<td>(MP, AK, MMP)</td>

<td>( )</td>

</tr>

<tr align="center">

<td rowspan="2">WED</td>

<td>PE</td>

<td>CN</td>

<td colspan="2" bgcolor="#ddd">WEB(AK, KP) (B) (3)</td>

<td>CS</td>

<td>CPDP</td>

<td rowspan="4" bgcolor="#fff0f0"></td>

</tr>

<tr align="center">

<td>(AM)</td>

<td>(HV)</td>

<td colspan="2" bgcolor="#ddd">CS(TG, AM) (A) (2)</td>

<td>(TG)</td>

<td>(AM)</td>

</tr>

<tr align="center">

<td rowspan="2">THU</td>

<td colspan="2" bgcolor="#ddd">CN (AK, AM) (B) (1)</td>

<td>ADA</td>

<td>CN</td>

<td rowspan="2" colspan="2" bgcolor="#ddd">AIML / CS (H)</td>

</tr>

<tr align="center">

<td colspan="2" bgcolor="#ddd">ADA (MMP, MNP) (A) (2)</td>

<td>(AM)</td>

<td>(HV)</td>

</tr>

<tr align="center">

<td rowspan="2">FRI</td>

<td>ADA</td>

<td>PE</td>

<td>CN</td>

<td>WEB</td>

<td>CPDP</td>

<td>DE II A</td>

<td>AI/ML / CS (H)</td>

</tr>

<tr align="center">

<td>(MMP)</td>

<td>(AM)</td>

<td>(HV)</td>

<td>(KP)</td>

<td>(AM)</td>

<td>(DS, AM, BP)</td>

<td>( )</td>

</tr>

</table>

</body>

</html>

1. Demonstrate The Z-index Property of CSS

<!DOCTYPE html>

<html lang="en">

<head>

<title>Z-index</title>

<style>

.wrapper {

position: relative;

}

.dashed-box {

position: relative;

z-index: 1;

border: dashed;

height: 8em;

margin-bottom: 1em;

margin-top: 2em;

}

.gold-box {

position: absolute;

z-index: 3;

background: gold;

width: 80%;

left: 60px;

top: 3em;

}

</style>

</head>

<body>

<div class="wrapper">

<div class="dashed-box">Dashed box</div>

<div class="gold-box">Gold box</div>

</div>

</body>

</html>

1. Demonstrate The Transition Property Of CSS

<html>

<head>

<style>

div {

width: 100px;

height: 100px;

background: red;

transition: width 2s;

}

div:hover {

width: 300px;

}

</style>

</head>

<body>

<h1>The transition Property</h1>

<p>Hover over the div element below, to see the transition effect:</p>

<div></div>

</body>

</html>

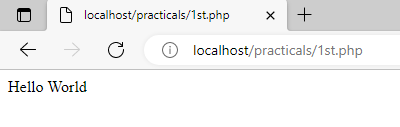
1. Write a PHP program to display message “Hello World” on screen.

<?php

echo "Hello World";

?>

Output:



1. Write a PHP program to display the variable with its value.

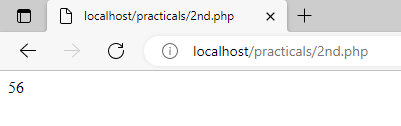
<?php

$a = 56;

echo $a;

?>

Output:



1. Write a PHP program that performs calculator i.e. (addition,subtraction,division,multiplication,modulo)

<?php

echo "Calculator<br>";

$a=50;

$b=42;

echo "Value of variables are $a and $b <br>";

echo "<br>";

echo "summetion is ". $a+$b;

echo "<br>";

echo "substraction is ". $a-$b;

echo "<br>";

echo "multiplication is ". $a\*$b;

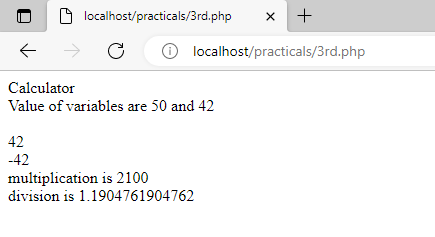
echo "<br>";

echo "division is ". $a/$b;

echo "<br>";

?>

Output:



1. Write a PHP program to swap two variables.(i.e a=5,b=4 after swapping the value will be a=4,b=5).

<?php

$a=56;

$b=12;

echo "The value of variable before swapping is a=$a and b=$b <br>";

$t=$a;

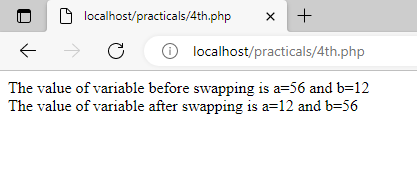
$a=$b;

$b=$t;

echo "The value of variable after swapping is a=$a and b=$b";

?>

Output:



1. Write a PHP program to check whether the number is odd or even.

<?php

$a = 44;

if($a%2==0){

echo "$a is even ";

}

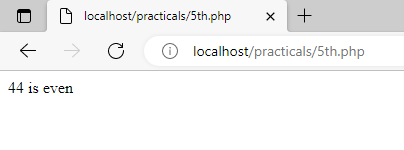
else {

echo "odd";

}

?>

Output:



1. Write a PHP program to check students marks based on their grads.(use if..elseif...else)

<?php

$marks = 90;

echo "Shreya performs ";

if ($marks>=80){

echo "Marvelous";

}

elseif($marks>=60){

echo "good";

}

elseif($marks>=40){

echo "Poor";

}

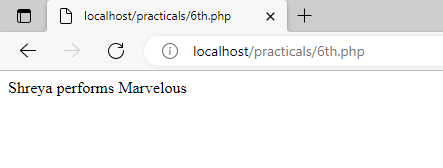
else{

echo "So bad";

}

?>

Output:



1. Write a PHP program to display the day of week using switch statement.

<?php

$a = 1;

switch ($a) {

case '1':

echo "sunday";

break;

case '2':

echo "monday";

break;case '3':

echo "tuesday";

break;case '4':

echo "wednesday";

break;case '5':

echo "thursday";

break;case '6':

echo "friday";

break;

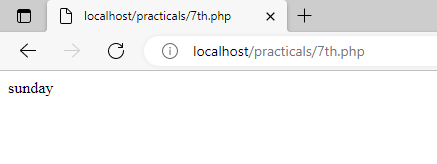
default:

echo "saturday";

break;

}

Output:



1. Write a PHP program that performs calculator using switch statement

<?php

$a = 3;

$b=34;

$c=99;

echo "Value of variables are $c and $b <br>";

switch ($a) {

case '1':

echo "Summetion is ". $c+$b;

break;

case '2':

echo "Substraction is ". $b-$c;

break;case '3':

echo "Multiplication is ". $c\*$b;

break;

default:

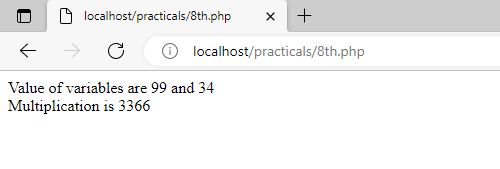
echo "Division is ". $b/$c;

break;

}

?>

Output:



1. Write a PHP program to find the factorial of a number using for loop.

<?php

$num = 4;

$factorial = 1;

for ($x=$num; $x>=1; $x--)

{

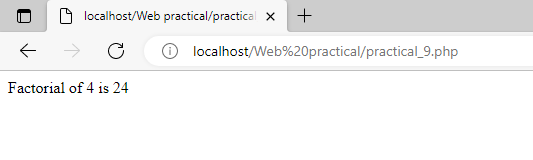
$factorial = $factorial \* $x;

}

echo "Factorial of $num is $factorial";

?>

Output:



1. write a PHP program to print the following pattern

<?php

function pypart($n)

{

for ($i = 0; $i < $n; $i++)

{

for($j = 0; $j <= $i; $j++ )

{

echo "\* ";

}

echo "\n";

}

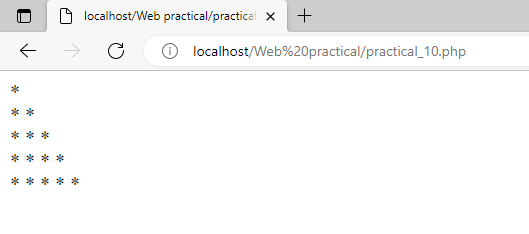
}

$n = 5;

pypart($n);

?>

Output:



1. Write a PHP program to check whether the number is positive, negative or zero.

<?php

$number = 324;

if ($number > 0)

{

echo $number . " is a positive number";

} else if ($number < 0)

{

echo $number . " is a negative number ";

} else if ($number == 0)

{

echo "You have entered zero";

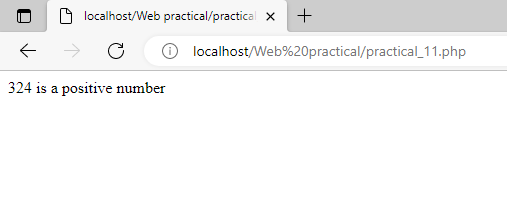
} else {

echo " please enter a numeric value";

}

?>

Output:



1. Write a PHP program to find the length of string and reverse the string.

<?php

$str = "Tutorials Class";

echo strlen($str);

function Reverse($str){

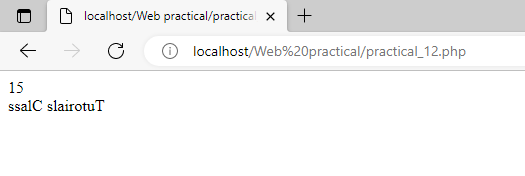
return strrev($str);

}

echo Reverse($str)

?>

Output:



1. Write a PHP program to print the Fibonacci series.

<?php

$num = 0;

$n1 = 0;

$n2 = 1;

echo "<h3>Fibonacci series for first 12 numbers: </h3>";

echo "\n";

echo $n1.' '.$n2.' ';

while ($num < 10 )

{

$n3 = $n2 + $n1;

echo $n3.' ';

$n1 = $n2;

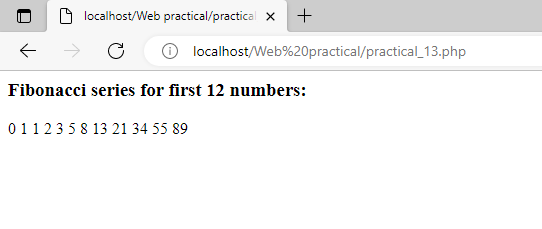
$n2 = $n3;

$num = $num + 1;

}

?>

Output:



1. Write a PHP program to find the Transpose of a matrix,multiplication of matrix and addition of two matrix.

<?php

$a = array(array(1,2,3),array(4,5,6),array(7,8,9));

$b = array(array(7,8,9),array(4,5,6),array(1,2,3));

$m=count($a);

$n=count($a[2]);

$p=count($b);

$q=count($b[2]);

echo "the first matrix :"."<br/>";

for ($row = 0; $row < $m; $row++) {

for ($col = 0; $col < $n; $col++)

echo " ".$a[$row][$col];

echo "<br/>";

}

echo "the second matrix :"."<br/>";

for ($row = 0; $row < $p; $row++) {

for ($col = 0; $col < $q; $col++)

echo " ".$b[$row][$col];

echo "<br/>";

}

echo "the transpose for the first matrix is:"."<br/>";

for ($row = 0; $row < $m; $row++) {

for ($col = 0; $col < $n; $col++)

echo " ".$a[$col][$row];

echo "<br/>";

}

echo "the addition of matrices is:"."<br/>";

for ($row = 0; $row < 3; $row++) {

for ($col = 0; $col < 3; $col++)

echo " ".$a[$row][$col]+$b[$row][$col]." ";

echo "<br/>";

}

echo " The multiplication of matrices: <br/>";

$result=array();

for ($i=0; $i < $m; $i++) {

for($j=0; $j < $q; $j++){

$result[$i][$j] = 0;

for($k=0; $k < $n; $k++)

$result[$i][$j] += $a[$i][$k] \* $b[$k][$j];

}

}

for ($row = 0; $row < $m; $row++) {

for ($col = 0; $col < $q; $col++){

echo " ".$result[$row][$col];

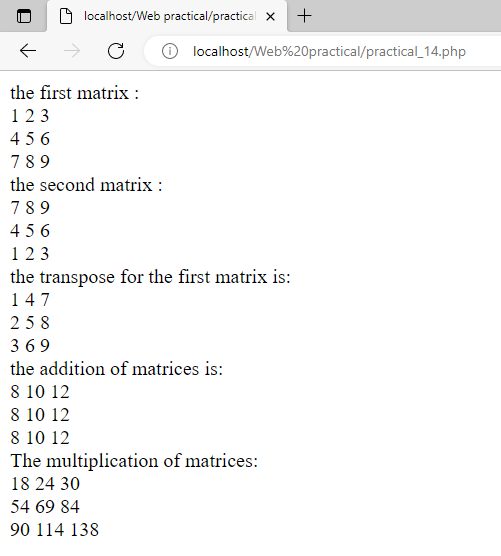
}

echo "<br/>";

}

?>

Output:



1. Write a PHP program to compute the sum of prime numbers less than 100.

<?php

$primes = array();

$is\_prime\_no = false;

for ($i = 2; $i<100; $i++) {

$is\_prime\_no = true;

for ($j = 2; $j<=($i/2); $j++) {

if ($i%$j==0) {

$is\_prime\_no = false;

break;

}

}

if ($is\_prime\_no) {

array\_push($primes,$i);

}

if (count($primes)==100) {

break;

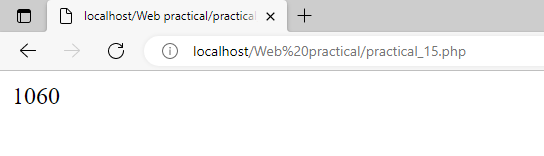
}

}

echo array\_sum($primes)."\n";

?>

Output:



1. Write a PHP Program to extract the username from Email Id.

<?php

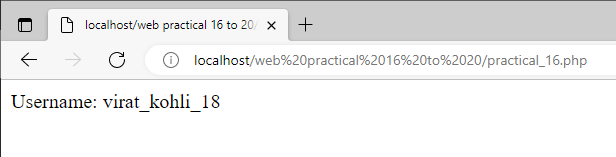
$mailid = 'virat\_kohli\_18@example.com';

$user = substr($mailid, 0, strrpos($mailid, '@'));

echo "Username: ".$user."\n";

?>

Output:



1. Write a PHP Program to check entered email id is valid or invalid.

<?php

$email = "john.doe@example.com";

if (filter\_var($email, FILTER\_VALIDATE\_EMAIL)) {

echo("$email is a valid email address");

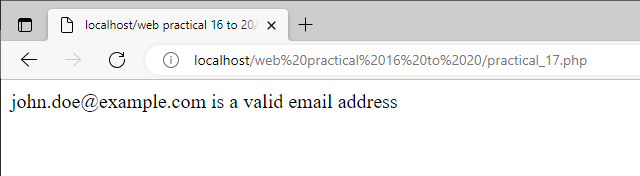
} else {

echo("$email is not a valid email address");

}

?>

Output:



1. Create a form using text box, check box, radio button, select, submit button. And display user inserted value in new PHP page.

<html>

<head>

<title>Registration</title>

<style>

.main

{

width:30%;

margin:2em auto;

border:2px solid black;

padding:1em;

}

.main input[type="submit"]

{

width:95%;

border:1px solid black;

padding:.5em;

margin:.5em;

}

.main input[type="password"]

{

width:95%;

border:1px solid black;

padding:.5em;

margin:.5em;

}

.main input[type="text"],.main input[type="email"]

{

width:45%;

border:1px solid black;

padding:.5em;

margin:.5em;

}

</style>

</head>

<body>

<div class="main">

<form method="post" action="welcome.php">

<h2>Student Registration</h2>

<input type="text" name="fname" placeholder="First Name">

<input type="text" name="lname" placeholder="Last Name">

<input type="email" name="email" placeholder="Email">

<input type="text" name="mobile" placeholder="Mobile">

<input type="text" name="city" placeholder="City"><br>

<hr>

Gender<br>

<input type="radio" name="gender" value="Male">Male<br>

<input type="radio" name="gender" value="female">Female<br>

<hr>

Hobbies<br>

<input type="checkbox" name="hobby[]" value="Cricket">Cricket<br>

<input type="checkbox" name="hobby[]" value="Football">Football<br>

<input type="checkbox" name="hobby[ ]" value="Chess">Chess<br>

<hr>

<input type="Password" name="pass" placeholder="Password"><br>

<input type="submit" name="submit" value="Register">

</form>

</div>

</body>

</html>

<?php

if(isset($\_POST['submit']))

{

$fn=$\_POST['fname'];

$ln=$\_POST['lname'];

$em=$\_POST['email'];

$mob=$\_POST['mobile'];

$city=$\_POST['city'];

$gender=$\_POST['gender'];

$hobies=$\_POST['hobby'];

$pass=$\_POST['pass'];

echo "First name : $fn <br><br>";

echo "Last name : $ln <br><br>";

echo "Email : $em <br><br>";

echo "Mobile : $mob <br><br>";

echo "City : $city <br><br>";

echo "Gender : $gender <br><br>";

echo "<h3>Hobbies</h3>";

$i=0;

while($i<sizeof($hobies))

{

echo $hobies[$i]."<br>";

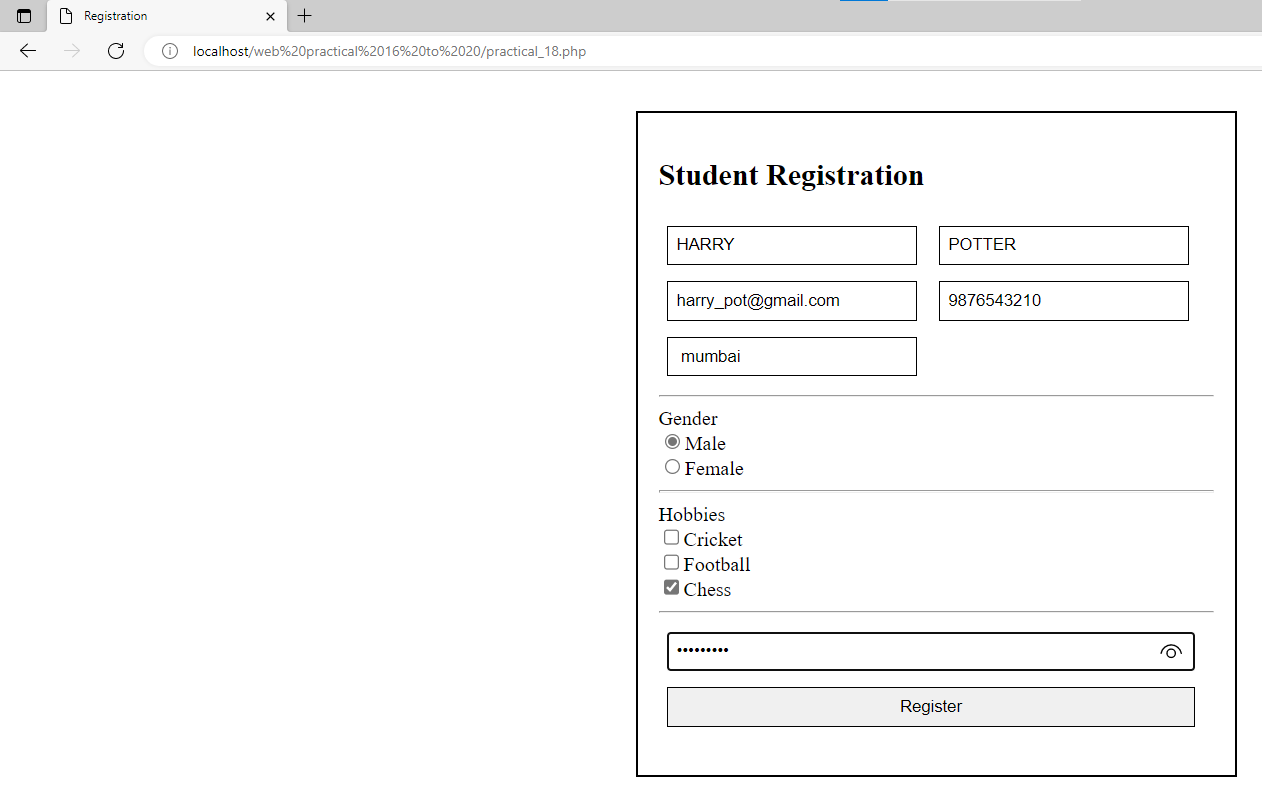
$i++;

}

}

?>

Output:



1. Prepare a PHP Code to read and write content from File

<?php

$file\_handle = fopen('tmp.txt', 'a+');

fwrite($file\_handle, 'Tuts+ is a great online resource to learn skills you want!');

fwrite($file\_handle, "\n");

fwrite($file\_handle, 'Visit tutsplus.com to know more!');

fclose($file\_handle);

$file\_handle = fopen('tmp.txt', 'r');

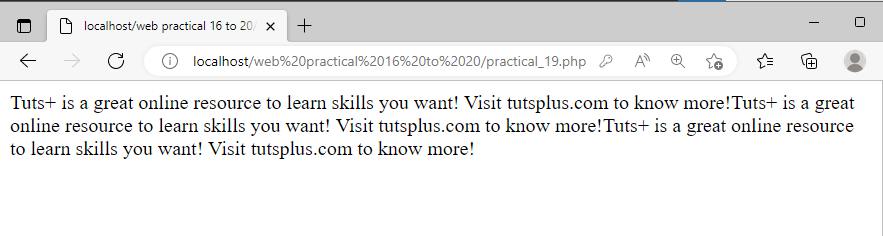
$contents = fread($file\_handle, filesize('tmp.txt'));

fclose($file\_handle);

echo $contents;

?>

Output:



1. Design webpage to detect the visitor’s browser name and its version.

<?php

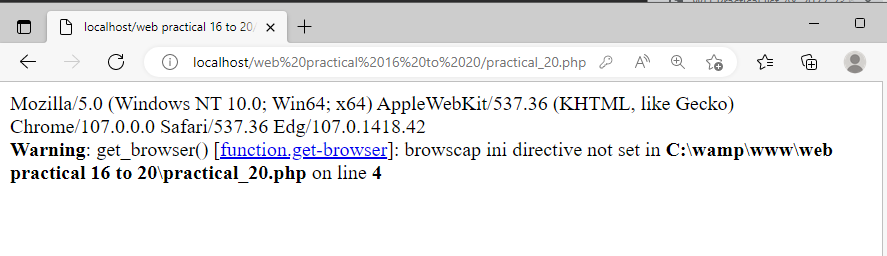
echo $\_SERVER['HTTP\_USER\_AGENT'];

$mybrowser = get\_browser();

print\_r($mybrowser);

?>

Output:



1. Write a PHP script to display the content of the file and display the total number of lines,words and characters.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Practical 21</title>

</head>

<body>

<?php

$myfile = fopen("read\_file.txt", "r") or die("Unable to open file!");

$lines = file("read\_file.txt");

$count=0;

$linesno = count($lines);

$wordcount = 0;

$charcount = 0;

foreach($lines as $line){

$count += 1;

$wordcount += str\_word\_count($line);

$charcount += strlen($line);

echo($line."<br>");

}

echo "<br><br>Lines: ".$linesno."<br>";

echo "Words: ".$wordcount."<br>";

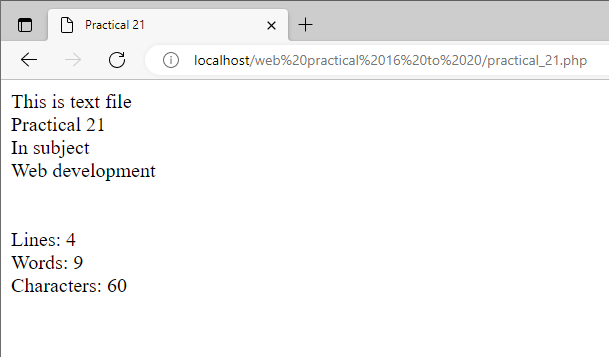
echo "Characters: ".$charcount."<br>";

?>

</body>

</html>

Output:



1. Write a PHP script to display the content of the file and display the total number of lines,words and characters.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<?php

$file1 = file("read\_file.txt");

$file2 = fopen("write\_file.txt","w");

// $file1size = filesize("read\_file.txt");

echo "Original File<br>";

foreach($file1 as $line){

echo $line."<br>";

fwrite($file2, $line);

}

$file2 = file("write\_file.txt");

echo "<br>Copied File<br>";

foreach($file2 as $line){

echo $line."<br>";

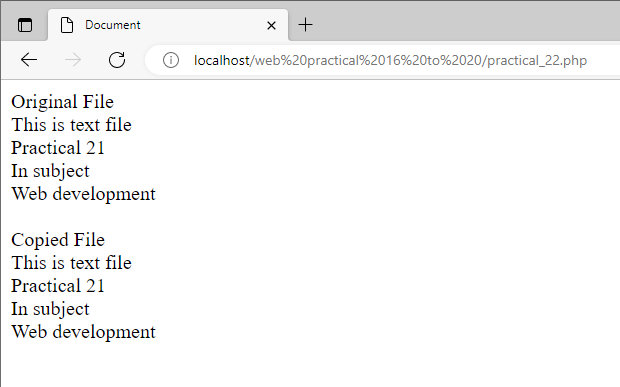
}

?>

</body>

</html>

Output:



1. Write a PHP Program that redirect your page to another page(i.e. redirect on google.com)

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<?php

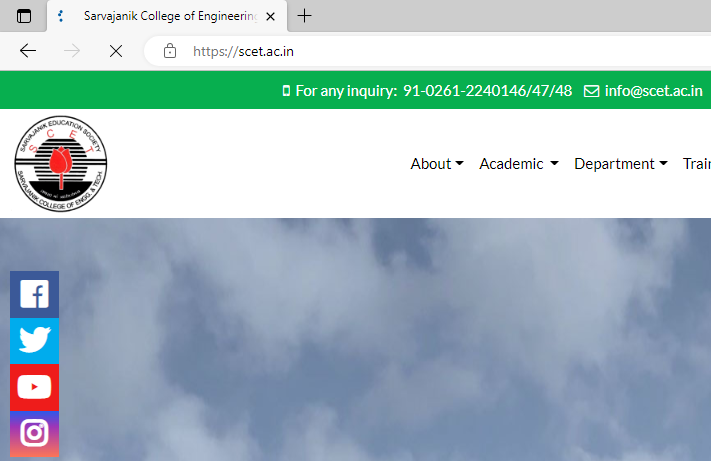
header("Location: https://scet.ac.in");

?>

</body>

</html>

Output:



1. Design an HTML form (stu.html) that asks for student details like username, password, email id, enrollment no, year, semester, branch and year of admission. Display all information filled up by the user on the next PHP page (stu2.php).

form

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

<meta *http-equiv*="X-UA-Compatible" *content*="IE=edge">

<meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<form *action*="pr24.php" *method*="post">

<br>

<label *for*="name">Enter UserName : </label>

<input *type*="text" *name*="name" *id*="name">

<br>

<br>

<label *for*="pwd">Enter Password : </label>

<input *type*="password" *name*="pwd" *id*="pwd">

<br>

<br>

<label *for*="email">Enter Email ID :</label>

<input *type*="text" *name*="email" *id*="email">

<br>

<br>

<label *for*="enroll">Enter Enrollment Number : </label>

<input *type*="text" *name*="enroll" *id*="enroll">

<br>

<br>

<label *for*="year">Enter year : </label>

<select *name*="year">

<option *value*="1st">1st</option>

<option *value*="2nd">2nd</option>

<option *value*="3rd">3rd</option>

<option *value*="4th">4th</option>

</select>

<br>

<br>

<label *for*="sem">Enter Semester : </label>

<select *name*="sem">

<option *value*="1st">1st</option>

<option *value*="2nd">2nd</option>

<option *value*="3rd">3rd</option>

<option *value*="4th">4th</option>

<option *value*="5th">5th</option>

<option *value*="6th">6th</option>

<option *value*="7th">7th</option>

<option *value*="8th">8th</option>

</select>

<br>

<br>

<label *for*="branch">Enter Branch : </label>

<select *name*="branch">

<option *value*="Mechanical">Mechanical</option>

<option *value*="Electrical">Electrical</option>

<option *value*="Chemical">Chemical</option>

<option *value*="Computer">Computer</option>

<option *value*="Information Technology">Information Technology</option>

<option *value*="Instrumentation and Control">Instrumentation and Control</option>

</select>

<br>

<br>

<label *for*="yod">Enter Year of Admission : </label>

<select *name*="yod">

<option *value*="2015">2015</option>

<option *value*="2016">2016</option>

<option *value*="2017">2017</option>

<option *value*="2018">2018</option>

<option *value*="2019">2019</option>

<option *value*="2020">2020</option>

<option *value*="2021">2021</option>

<option *value*="2022">2022</option>

</select>

<br>

<br>

<button *type*="submit" *name*="submit" *id*="submit">Submit</button>

</form>

</body>

</html>

php

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

<meta *http-equiv*="X-UA-Compatible" *content*="IE=edge">

<meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<?php

if(isset($\_POST)){

echo "Name : ".$\_POST['name']."<br>";

echo "Password : ".$\_POST['pwd']."<br>";

echo "Email ID : ".$\_POST['email']."<br>";

echo "Enrollment Number : ".$\_POST['enroll']."<br>";

echo "Year : ".$\_POST['year']."<br>";

echo "Semester : ".$\_POST['sem']."<br>";

echo "Branch : ".$\_POST['branch']."<br>";

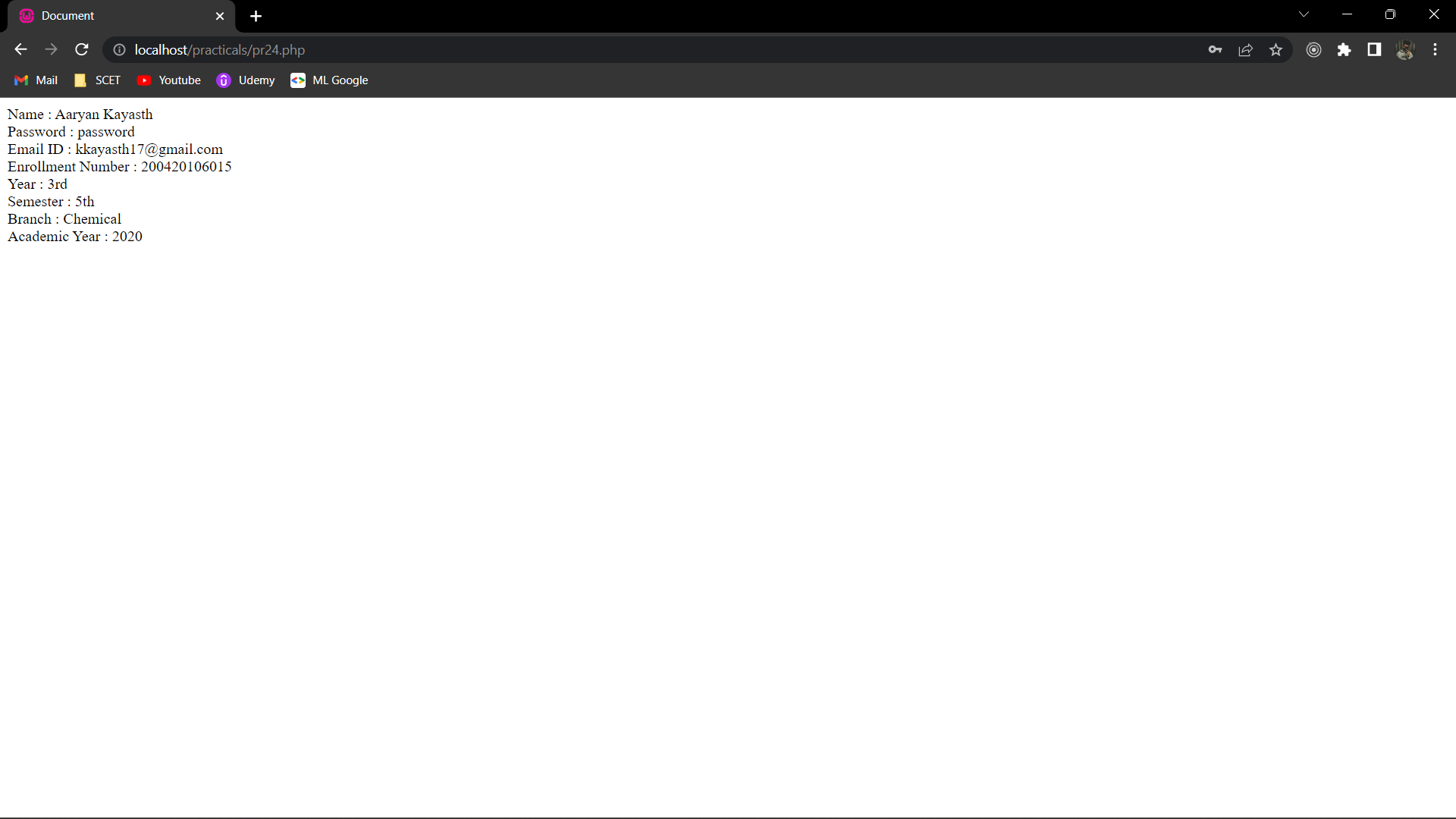
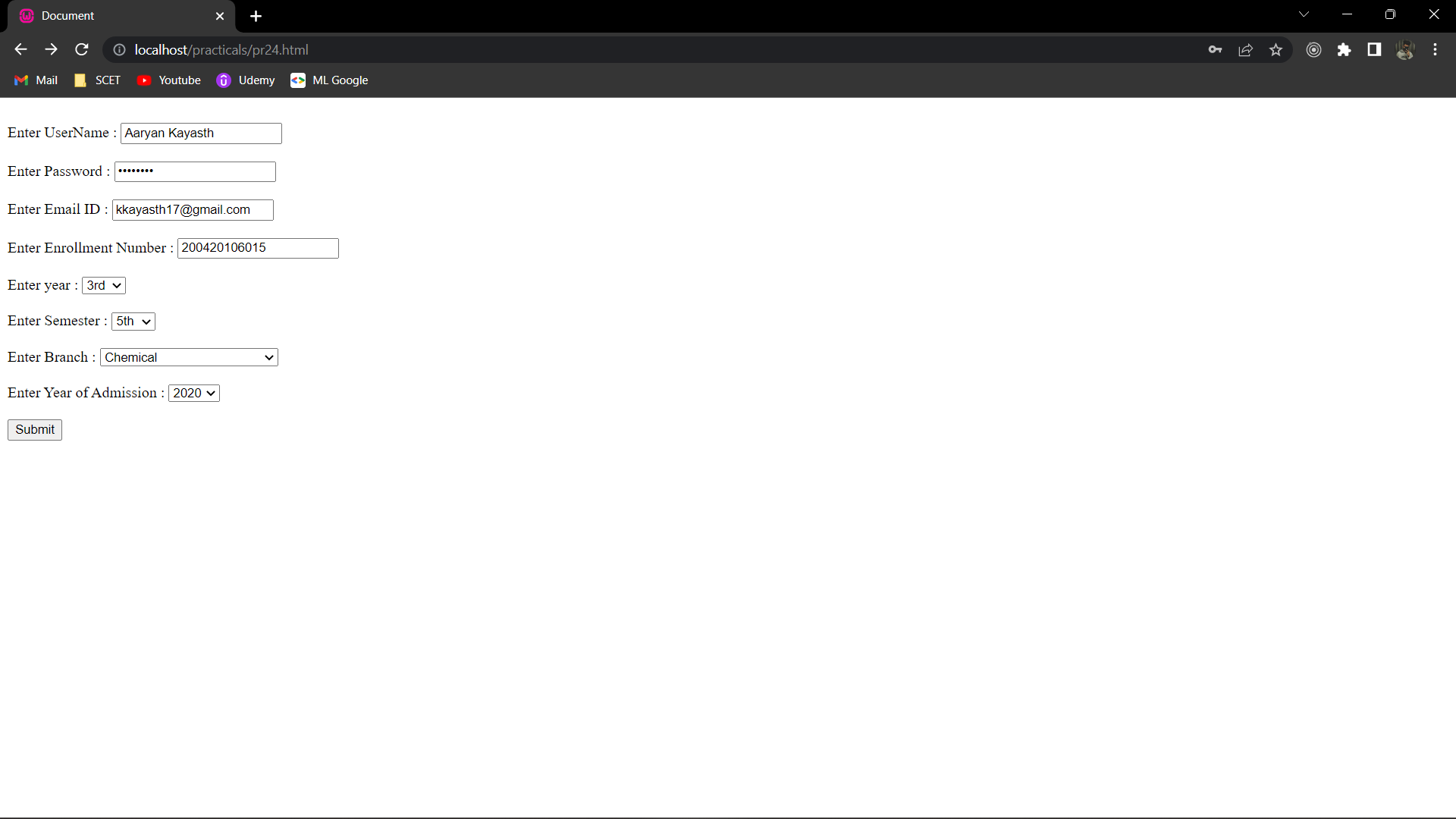
echo "Academic Year : ".$\_POST['yod']."<br>";

}

?>

</body>

</html>



1. Design a PHP script that takes user name and password as input and store it into cookies. Display the cookie information on the same page.

<?php

if(isset($\_POST['submit'])){

$fname = $\_POST['user'];

$lname = $\_POST['password'];

if( ( $fname != null ) and ( $lname != null ) )

{

setcookie( "user", $fname, time() + 36000 );

setcookie( "password", $lname, time() + 36000 );

}

echo "cookie ". $\_COOKIE['user']."<BR>";

echo "cookie ". $\_COOKIE['password']."<BR>";

}

?>

<html>

<head>

<title>Untitled Document</title>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">

</head>

<body>

<form method="post" action="">

<p>Username: <input type="text" name="user" id="user" value="<?php if(isset($\_COOKIE['user'])){echo $\_COOKIE['user'];} else {echo "";} ?>"/></p>

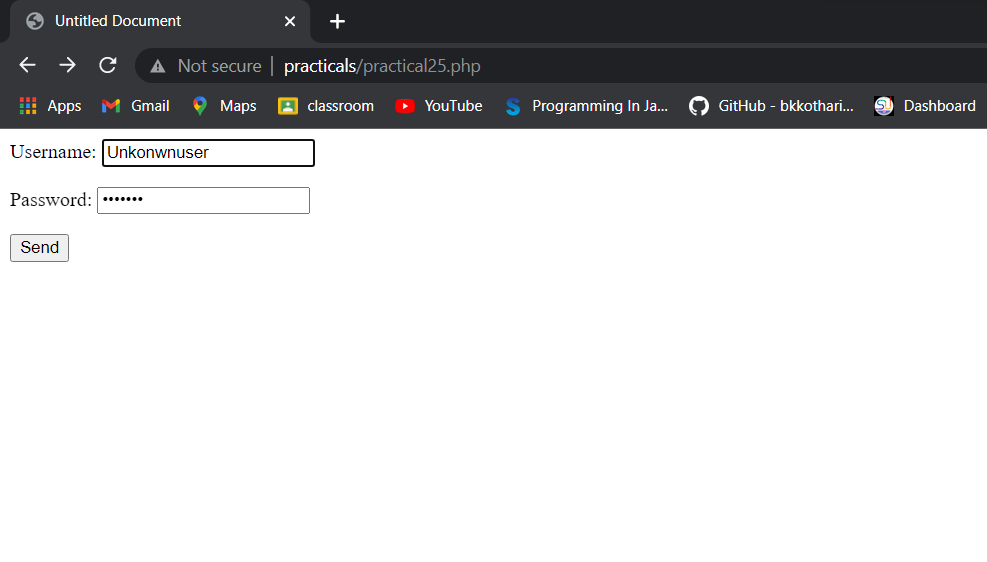
<p>Password: <input type="password" name="password" id="password" value="<?php if(isset($\_COOKIE['password'])){echo $\_COOKIE['password'];} else {echo "";} ?>"/></p>

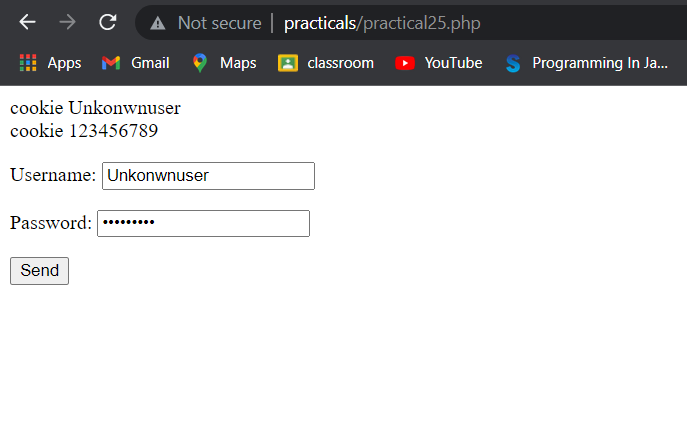
<input type="submit" name="submit" value="Send">

</body>

</html>

Output:





1. Design a PHP page that takes user name and password as input and store them in a session. Display the session information on the next page.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<form action="display.php" target="\_blank" method="post">

<lable for="user">USER NAME :</lable>

<input type="text" name="user">

<lable for="pass">PASSWORD :</lable>

<input type="password" name="password">

<input type="submit">

</form>

</body>

</html>

<?php

session\_start();

$username = $\_POST["user"];

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

$\_SESSION["USER"] = $username;

$\_SESSION["PASS"] = $password;

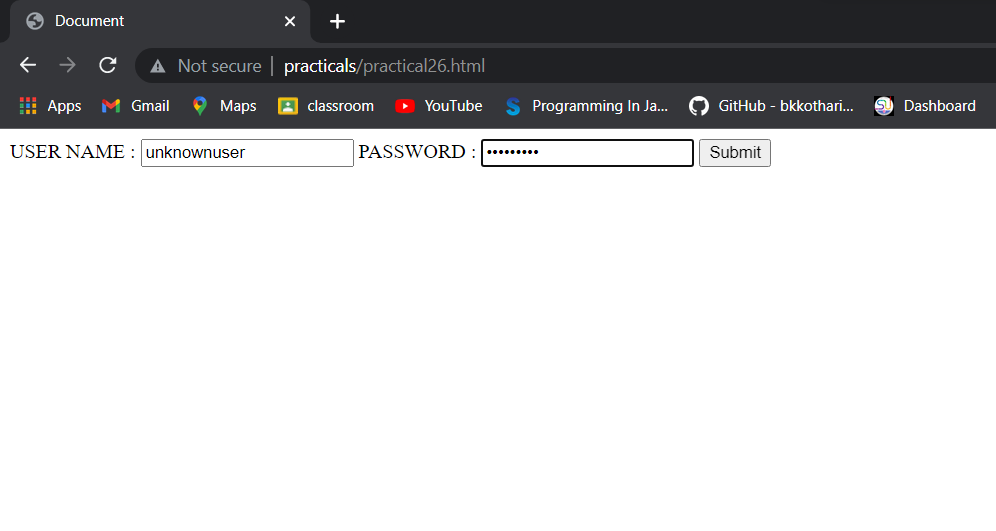
echo "Welcome : " .$\_SESSION['USER'];

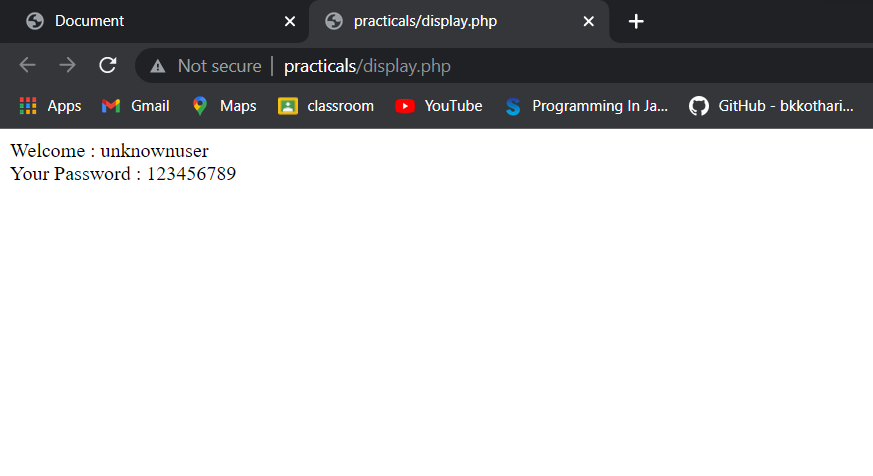
echo "<br>";

echo "Your Password : " .$\_SESSION['PASS'];

?>

Output:





1. Prepare a PHP Code to manage online shopping cart using session.

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8" />

<meta *http-equiv*="X-UA-Compatible" *content*="IE=edge" />

<meta *name*="viewport" *content*="width=device-width, initial-scale=1.0" />

<title>Shopping Cart</title>

<style>

.products {

display: flex;

justify-content: space-between;

padding: 20px;

}

.product {

display: flex;

flex-direction: column;

align-items: flex-start;

}

.product input {

width: 40px;

}

.product label {

display: inline;

}

.product > \* {

margin: 3px 0;

}

.total{

text-align:right;

font-weight: bold;

}

</style>

</head>

<body>

<?php

session\_start();

if(!isset($\_SESSION['cart'])){

$\_SESSION['cart'] = array();

}

?>

<?php

if(isset($\_POST)){

if($\_POST['clear'] != 'true'){

if(!array\_key\_exists($\_POST['name'], $\_SESSION['cart']) && $\_POST['quantity'] > 0){

*// $\_SESSION['cart'][$\_POST['name']] = $\_POST;*

$\_SESSION['cart'] += [$\_POST['name'] => $\_POST];

} elseif (array\_key\_exists($\_POST['name'], $\_SESSION['cart'])){

if($\_POST['quantity'] < 0){

unset($\_SESSION['cart'][$\_POST['name']]);

} else{

$\_SESSION['cart'][$\_POST['name']] = $\_POST;

}

}

} else if ($\_POST['clear'] == true){

unset($\_SESSION['cart']);

}

}

?>

<div *class*="products">

<form *class*="product" *action*="<?php $\_SERVER['PHP\_SELF']?>" *method*="POST">

<h1 *name*="product\_name">Textbook</h1>

<input *type*="hidden" *name*="name" *value*="textbook"/>

<p *name*="price">$10</p>

<input *type*="hidden" *name*="price" *value*="10"/>

<label *for*="quantity">quantity</label>

<input *type*="number" *name*="quantity" *value*="0" />

<input *type*="hidden" *name*="clear" *value*="false"/>

<button >Add to cart</button>

</form>

<form *class*="product" *action*="<?php $\_SERVER['PHP\_SELF']?>" *method*="POST">

<h1 *name*="product\_name">Bag</h1>

<input *type*="hidden" *name*="name" *value*="bag"/>

<p *name*="price">$50</p>

<input *type*="hidden" *name*="price" *value*="50"/>

<label *for*="quantity">quantity</label>

<input *type*="number" *name*="quantity" *value*="0" />

<input *type*="hidden" *name*="clear" *value*="false"/>

<button>Add to cart</button>

</form>

<form *class*="product" *action*="<?php $\_SERVER['PHP\_SELF']?>" *method*="POST">

<h1 *name*="product\_name">File</h1>

<input *type*="hidden" *name*="name" *value*="file"/>

<p *name*="price">$5</p>

<input *type*="hidden" *name*="price" *value*="5"/>

<label *for*="quantity">quantity</label>

<input *type*="number" *name*="quantity" *value*="0" />

<input *type*="hidden" *name*="clear" *value*="false"/>

<button>Add to cart</button>

</form>

<form *class*="product" *action*="<?php $\_SERVER['PHP\_SELF']?>" *method*="POST">

<h1 *name*="product\_name">Pen</h1>

<input *type*="hidden" *name*="name" *value*="pen"/>

<p *name*="price">$1</p>

<input *type*="hidden" *name*="price" *value*="1"/>

<label *for*="quantity">quantity</label>

<input *type*="number" *name*="quantity" *value*="0" />

<input *type*="hidden" *name*="clear" *value*="false"/>

<button>Add to cart</button>

</form>

</div>

<h1>Cart</h1>

<table border="solid">

<tr>

<th>Item</th>

<th>Quantity</th>

<th>Price</th>

<th>Amount</th>

</tr>

<?php

if(isset($\_SESSION['cart'])){

$total = 0;

foreach($\_SESSION['cart'] as $key => $value){

if($value['quantity'] == 0){

continue;

}

$total += $value['price']\*$value['quantity'];

echo "<tr>";

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

echo "<td>".$value['quantity']."</td>";

echo "<td>".$value['price']."</td>";

echo "<td>".$value['price']\*$value['quantity']."</td>";

echo "</tr>";

}

echo('<tr class="total">'."<td colspan=4>Total:".$total."</td>".'</tr>');

}

?>

</table>

<form *action*="<?php $\_SERVER['PHP\_SELF']?>" *method*="post">

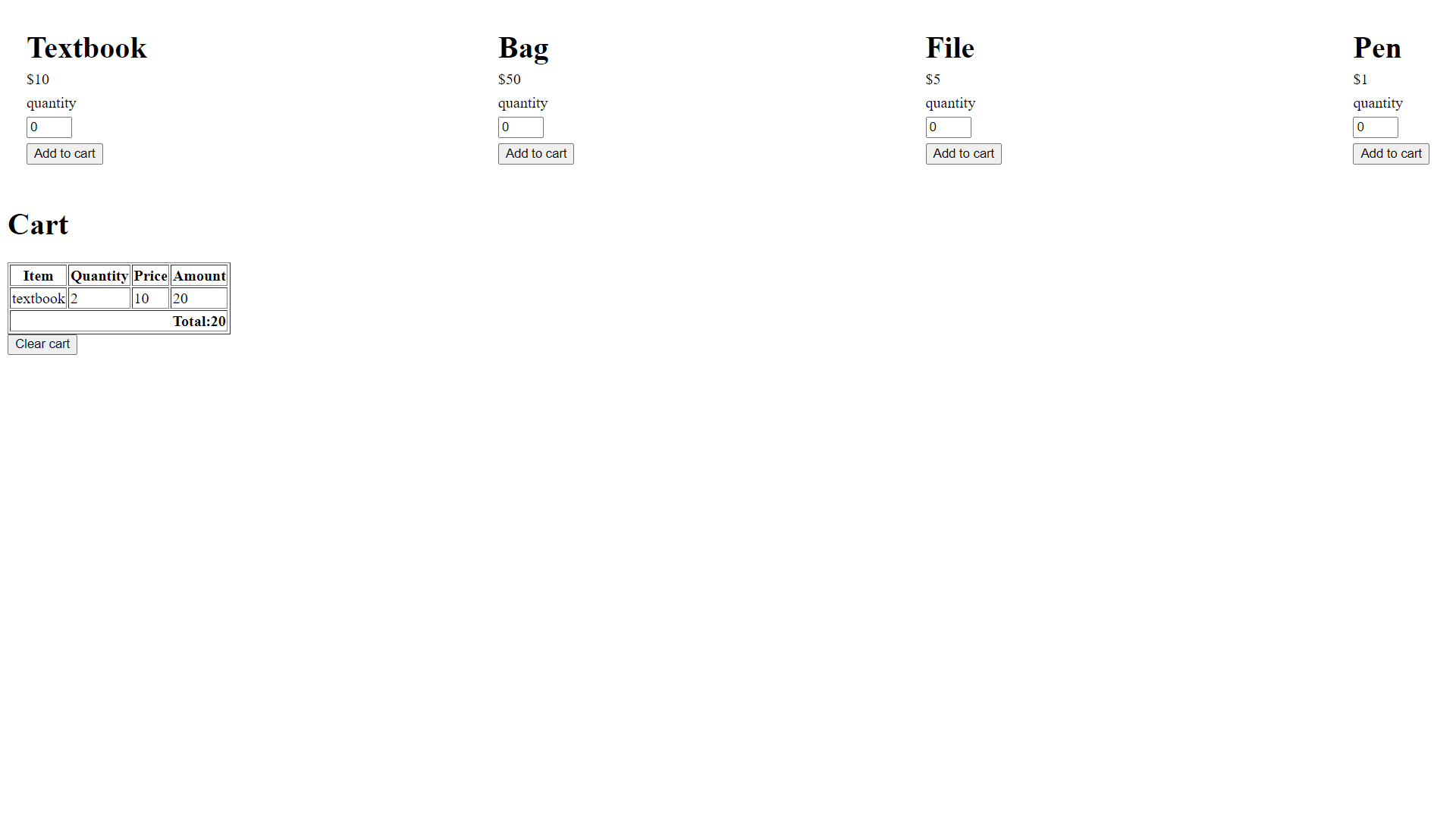
<input *type*="hidden" *name*="clear" *value*="true"/>

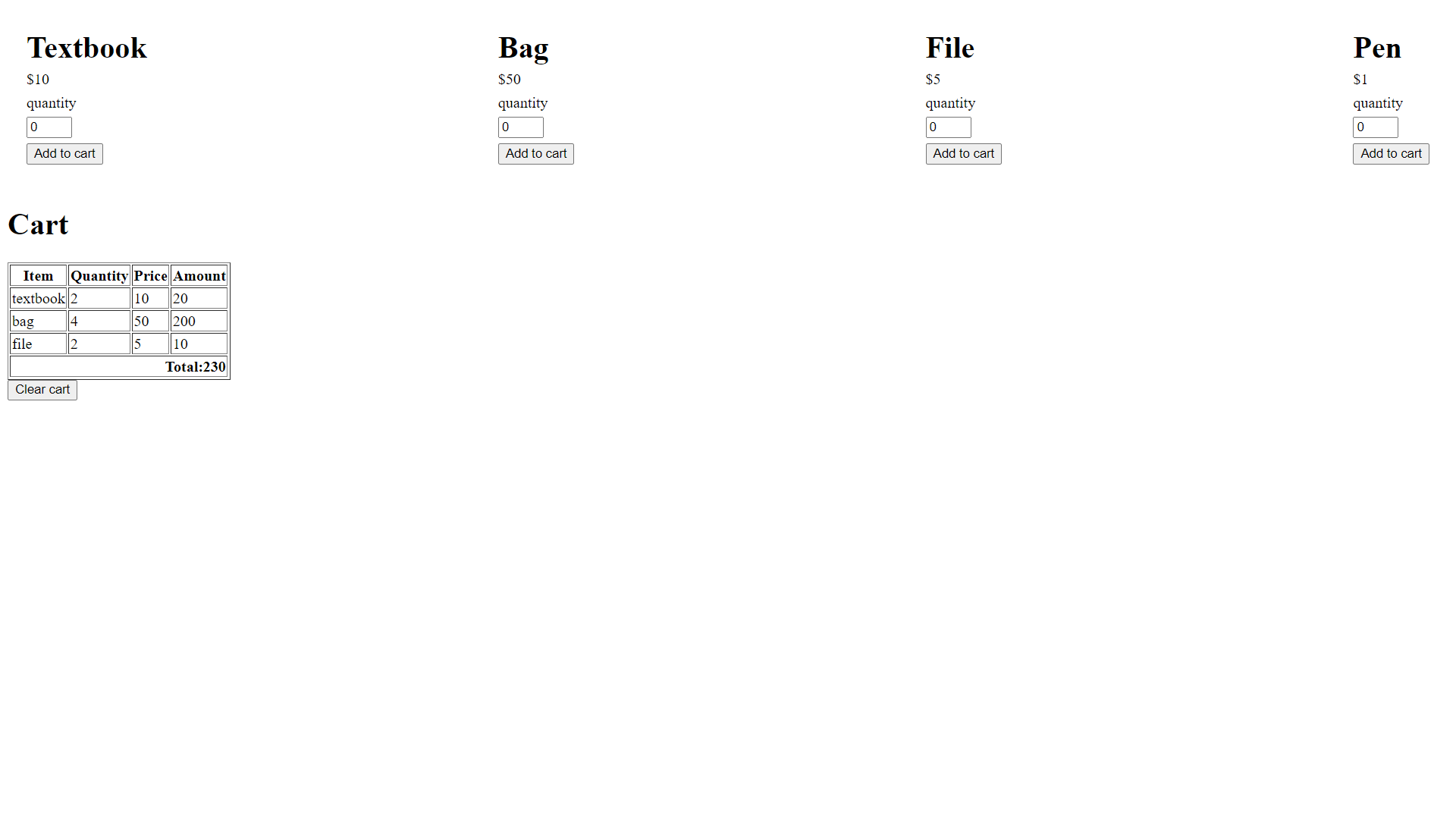
<button *type*="submit">Clear cart</button>

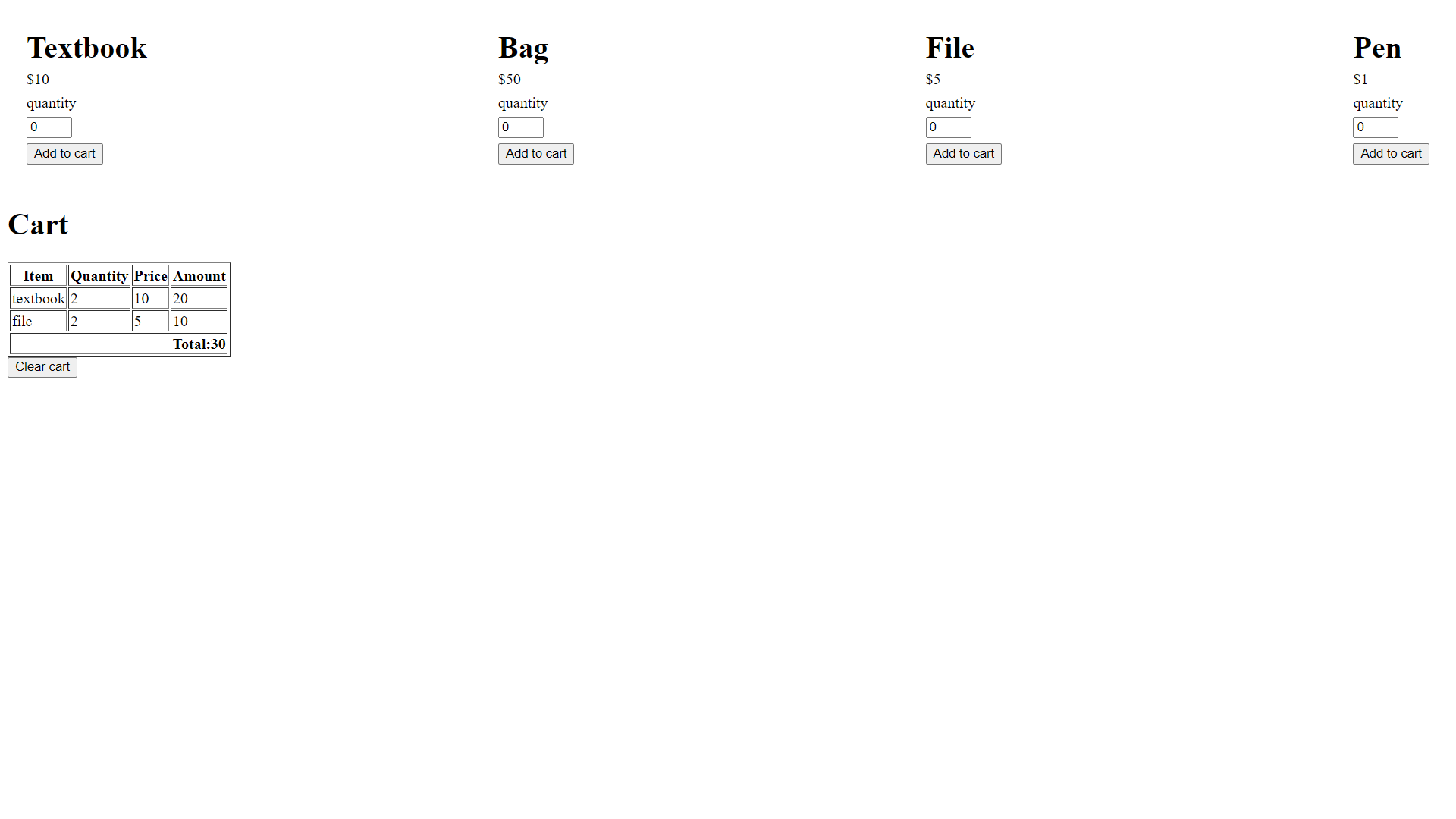
</form>

</body>

</html>







1. Develop a PHP Code which reads employee code, year and month. On submit button press, it generates a salary slip for that month-year for that employee.

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

<meta *http-equiv*="X-UA-Compatible" *content*="IE=edge">

<meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

<title>Employee</title>

<style>

.slip{

border: 10px double black;

height:20vh;

width:50%;

padding: 5px;

margin-top:100px;

}

h1{

margin:0;

margin-bottom:20px;

}

td{

min-width: 100px;

}

</style>

</head>

<body>

<form *method*="get" *action*="<?php $\_SERVER['PHP\_SELF']?>">

<h3>Enter your employee code</h3>

<input *type*="number" *name*="code" *value*="0"/>

<button *type*="submit">Enter</button>

</form>

<?php

$host = 'localhost';

$user = 'root';

$pass = '';

$db = 'practicals';

$con = new mysqli($host, $user,$pass, $db);

if(isset($\_GET)){

$query = 'select \* from employee where code='.$\_GET['code'];

$result = mysqli\_query($con, $query);

}

?>

<div *class*='slip'>

<h1>Salary slip</h1>

<table>

<?php

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

echo"<tr>

<td>Employee name: </td>

<td>".$arr['name']."</td>

</tr>

<tr>

<td>Salary month: </td>

<td>".$arr['month']."</td>

</tr>

<tr>

<td>Salary year: </td>

<td>".$arr['year']."</td>

</tr>";

};

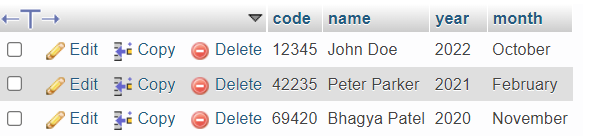
?>

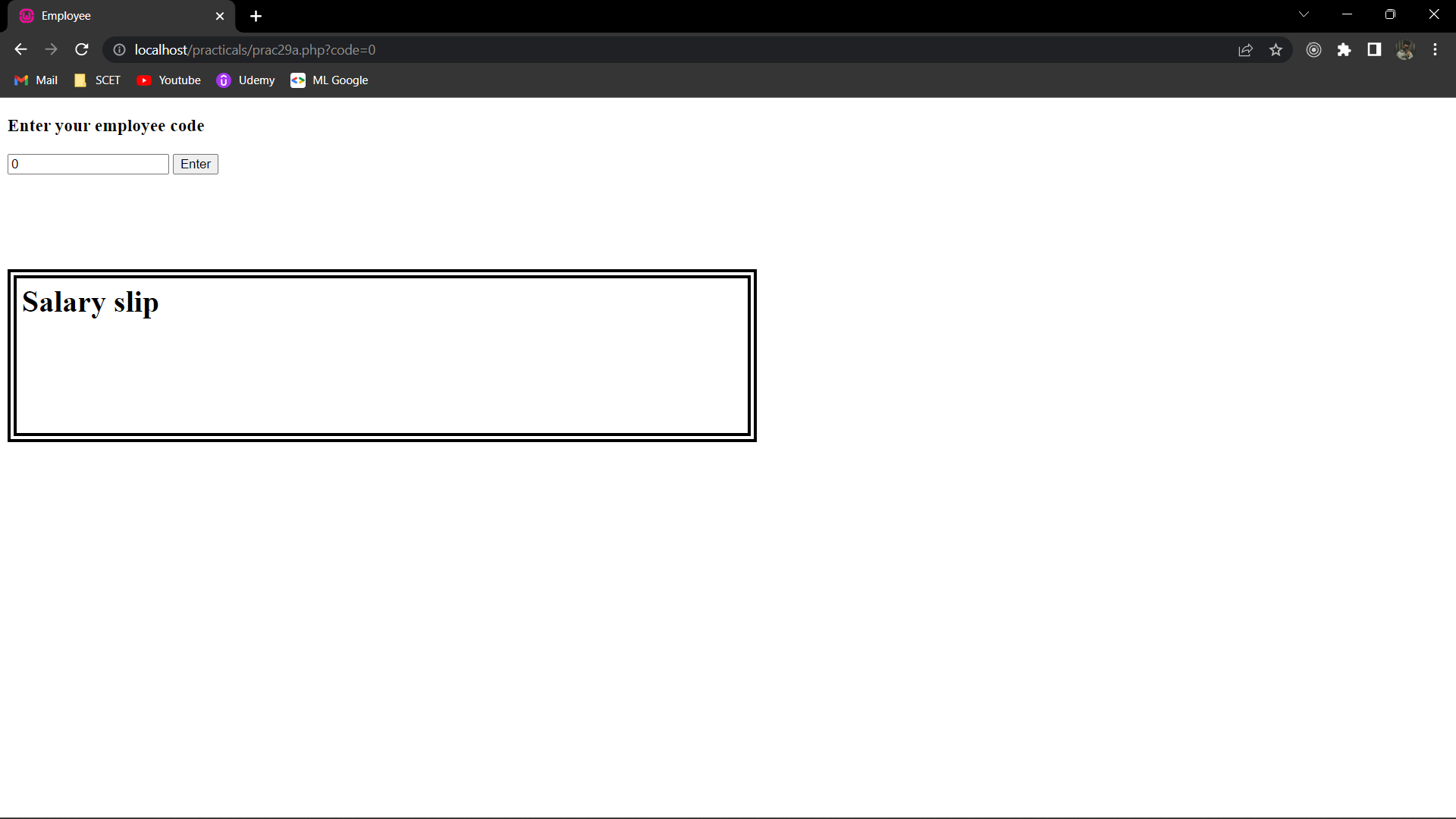
</table>

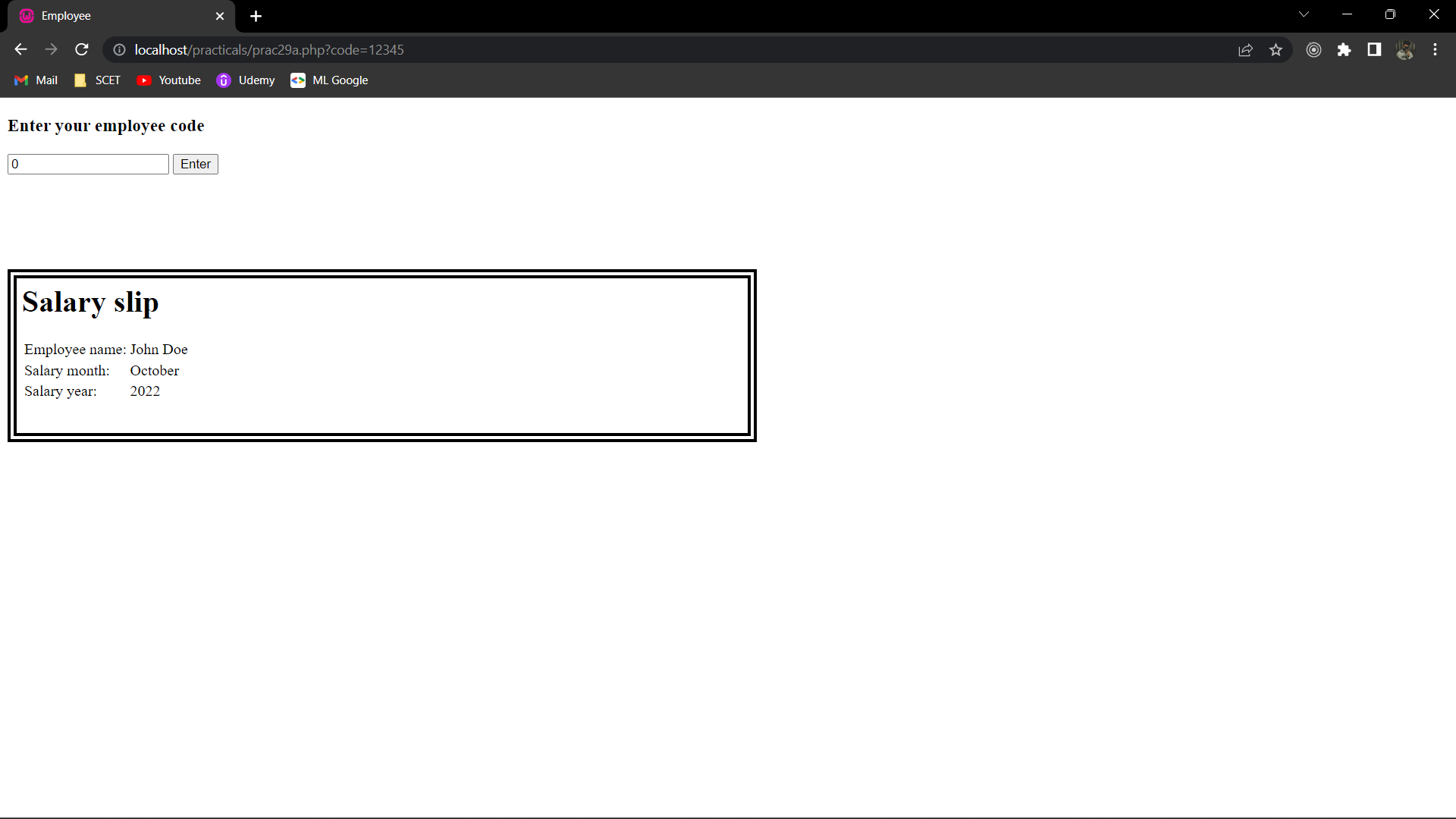
</div>

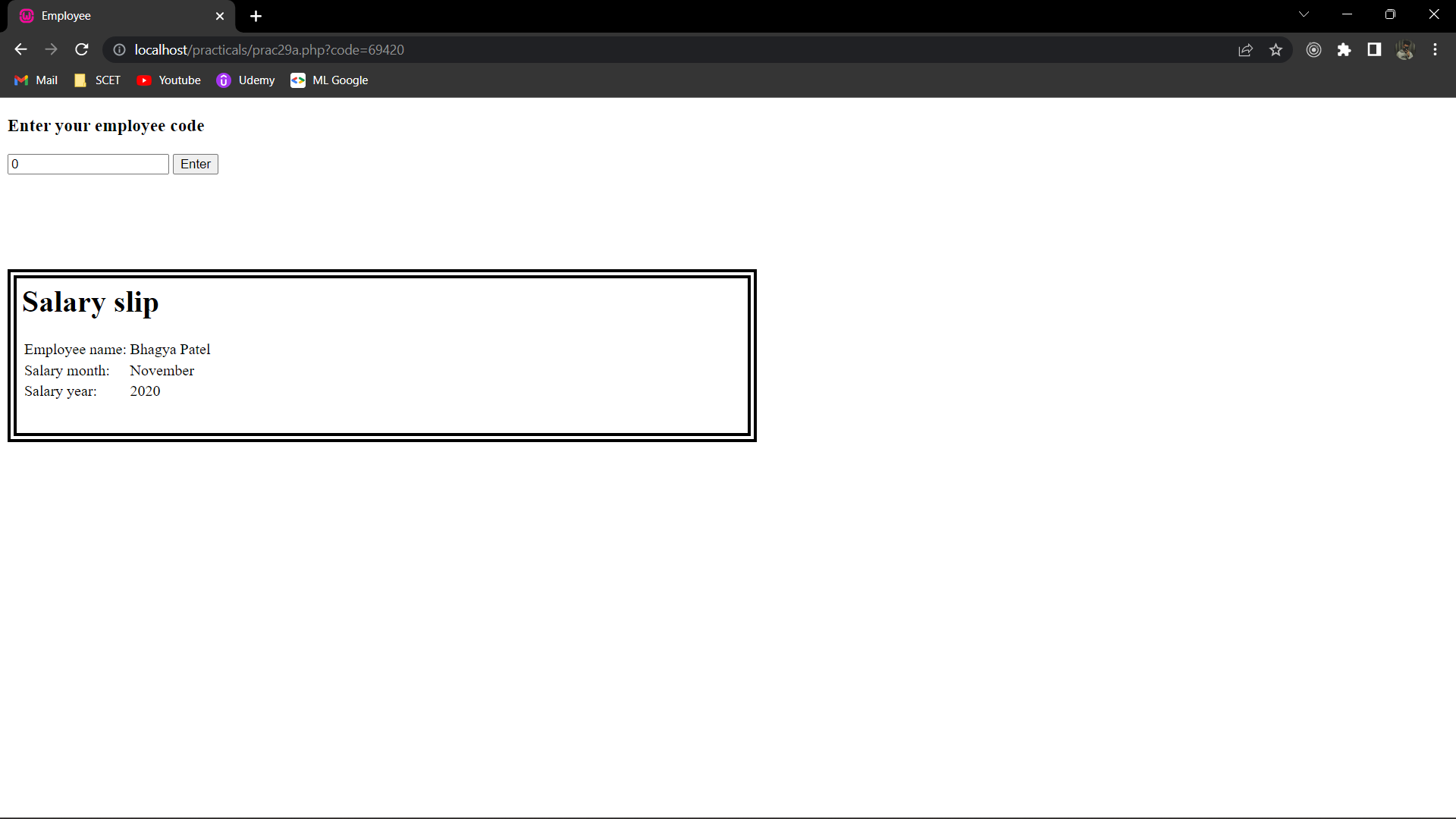
</body>

</html>









1. Design a form to fill up Resume details and store in a database. After saving Resume details, users should be able to view, insert, update and delete the information. Changes must be reflected in a database.

form.php

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8" />

<meta *http-equiv*="X-UA-Compatible" *content*="IE=edge" />

<meta *name*="viewport" *content*="width=device-width, initial-scale=1.0" />

<title>Resume Form</title>

<style>

input,

textarea {

display: block;

margin-bottom: 5px;

}

</style>

</head>

<body>

<form *method*="post" *action*="insert.php">

<label *for*="first\_name">First name</label>

<input *type*="text" *name*="first\_name" *required*/>

<label *for*="last\_name">Last name</label>

<input *type*="text" *name*="last\_name" *required*/>

<label *for*="position">Position</label>

<input *type*="text" *name*="position" *required*/>

<label *for*="phone">Phone number</label>

<input *type*="number" *name*="phone" *required*/>

<label *for*="github">Github link</label>

<input *type*="text" *name*="github" *required* />

<label *for*="dob">DOB</label>

<input *type*="date" *name*="dob" *required* />

<label *for*="address">Address</label>

<textarea *type*="text" *name*="address" *required*></textarea>

<label *for*="description">Description</label>

<textarea *type*="text" *name*="description" *required*></textarea>

<button *type*="submit">Submit</button>

</form>

<form *method*="get" *action*="prac30.php">

<h3>View your resume</h3>

<label *for*="first\_name">First name</label>

<input *type*="text" *name*="first\_name" *required*/>

<label *for*="last\_name">Last name</label>

<input *type*="text" *name*="last\_name" *required*/>

<button *type*="submit">View</button>

</form>

</body>

</html>

insert.php

<?php

if(isset($\_POST)){

$data = $\_POST;

$host = 'localhost';

$user = 'root';

$pass = '';

$db = 'practicals';

$con = new mysqli($host, $user,$pass, $db);

$query = "insert into resume (first\_name, last\_name, position, phone, github, dob, address, description) values

(\"".$data['first\_name']."\",\"".$data['last\_name']."\",\"".$data['position']."\","

.$data['phone'].",\"".$data['github']."\",\"".$data['dob']."\",\"".$data['address']

."\",\"".$data['description']."\")";

if(mysqli\_query($con, $query)){

echo "Inserted successfully";

} else{

echo "Insertion error - ".mysqli\_error($con);

}

}

?>

prac30.php

<!DOCTYPE *html*>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

<meta *http-equiv*="X-UA-Compatible" *content*="IE=edge">

<meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

<title>Resume form</title>

<style>

\*{

padding:0;

margin:0;

box-sizing: border-box;

}

.img{

position:absolute;

top:0;

right:20px;

background-color: #999;

border-radius: 50%;

width: 150px;

height:150px;

}

.resume{

width:50vw;

border: 5px double black;

min-height:80vh;

margin: 0 auto;

margin-top: 20px;

padding: 20px;

padding-top:0;

display: flex;

flex-direction:column;

gap: 5px;

position: relative;

}

@media (max-width:1024px){

.resume{

width:80vw;

}

}

h1{

margin:0;

}

.position{

font-size:18px;

text-decoration:underline;

}

a{

display:block;

}

.address{

max-width:25%;

}

div, h2{

margin-top:20px;

}

li{

margin-left:20px;

}

.query{

min-width:100vw;

}

</style>

</head>

<body>

<?php

if(isset($\_GET)){

$data = $\_POST;

$host = 'localhost';

$user = 'root';

$pass = '';

$db = 'practicals';

$con = new mysqli($host, $user,$pass, $db);

$query = "SELECT \* from resume WHERE first\_name = \"".$\_GET['first\_name']."\" AND last\_name = \"".$\_GET['last\_name']."\"";

$result = mysqli\_query($con, $query);

if($result->num\_rows > 0){

while($row = $result->fetch\_assoc()) {

$first\_name = $row['first\_name'];

$last\_name = $row['last\_name'];

$position = $row['position'];

$phone = $row['phone'];

$github = $row['github'];

$dob = $row['dob'];

$address = $row['address'];

$description = $row['description'];

}

} else{

echo "Fetch error - ".mysqli\_error($con);

}

}

?>

<div *class*="resume">

<h2>Resume</h2>

<div *class*="img"></div>

<h1 *class*="name"><span *class*="firstname"><?php echo $first\_name;?></span> <span *class*="lastname"><?php echo $last\_name;?></span> <span *class*="position"><?php echo $position;?></span></h1>

<a *class*="phone" *href*="tel:909876552">+<?php echo $phone;?></a>

<a *class*="git" *href*="github"><?php echo $github;?></a>

<div *class*="address"><?php echo $address;?></div>

<div *class*="description"><?php echo $description;?></div>

<h2>Skills</h2>

<ul>

<li>Skill 1</li>

<li>Skill 2</li>

<li>Skill 3</li>

</ul>

<h2>Hobbies</h2>

<ul>

<li>Hobby 1</li>

<li>Hobby 2</li>

</ul>

<h2>Languages</h2>

<ul>

<li>Primary Language</li>

<li>Secondary Language</li>

</ul>

</div>

</div>

<div>

<h1>Enter Query</h1>

<form *method*="query.php" *action*="post">

<input *type*="text" *name*="query" *class*="query"/>

<button *type*="submit">Update/Delete</button>

</form>

<div>

</body>

</html>

post.php

<?php

if(isset($\_POST)){

$host = 'localhost';

$user = 'root';

$pass = '';

$db = 'practicals';

$con = new mysqli($host, $user,$pass, $db);

$query = $\_GET['query'];

if(mysqli\_query($con, $query)){

echo "Run successfully";

} else{

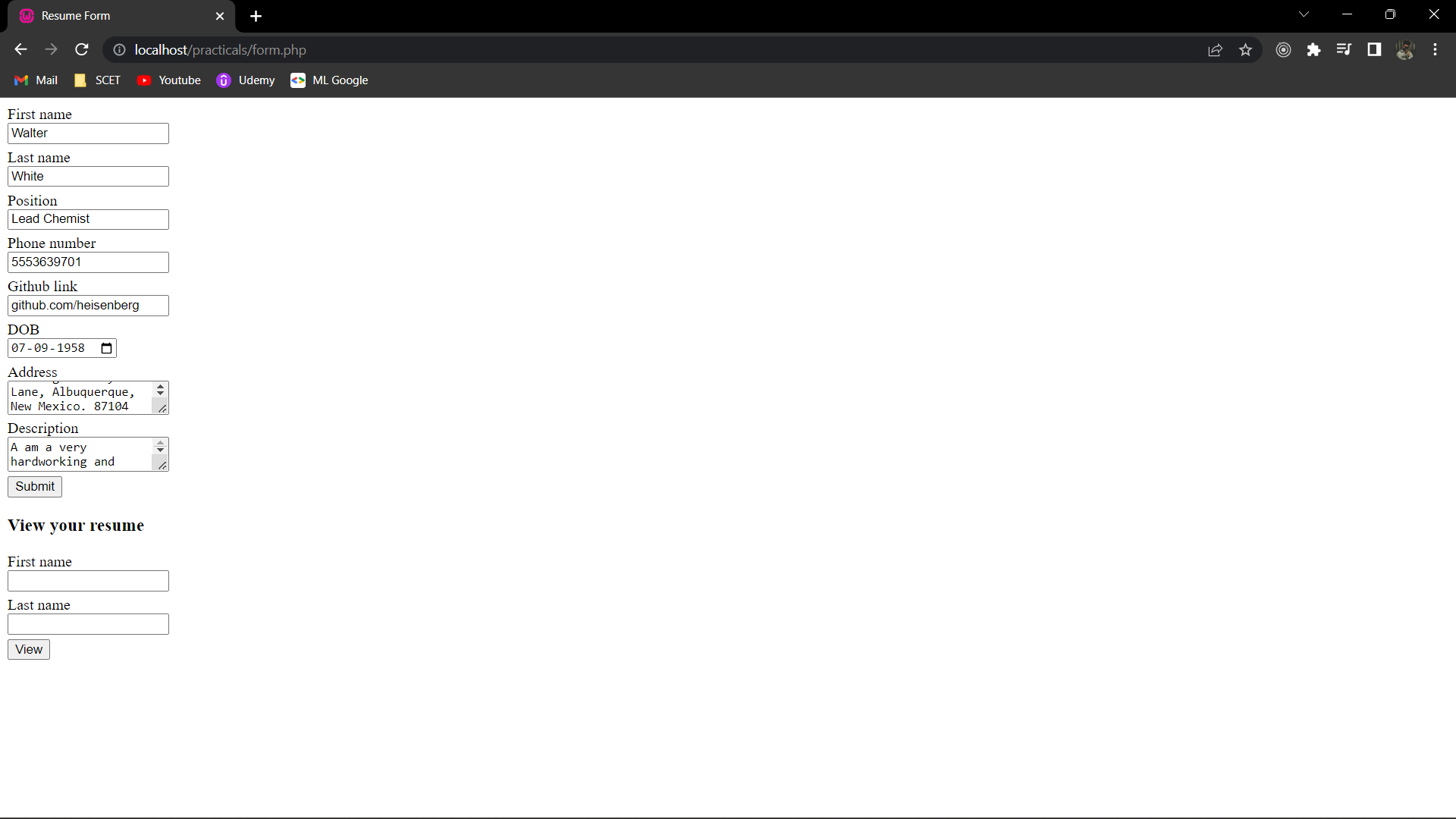
echo "Run error - ".mysqli\_error($con);

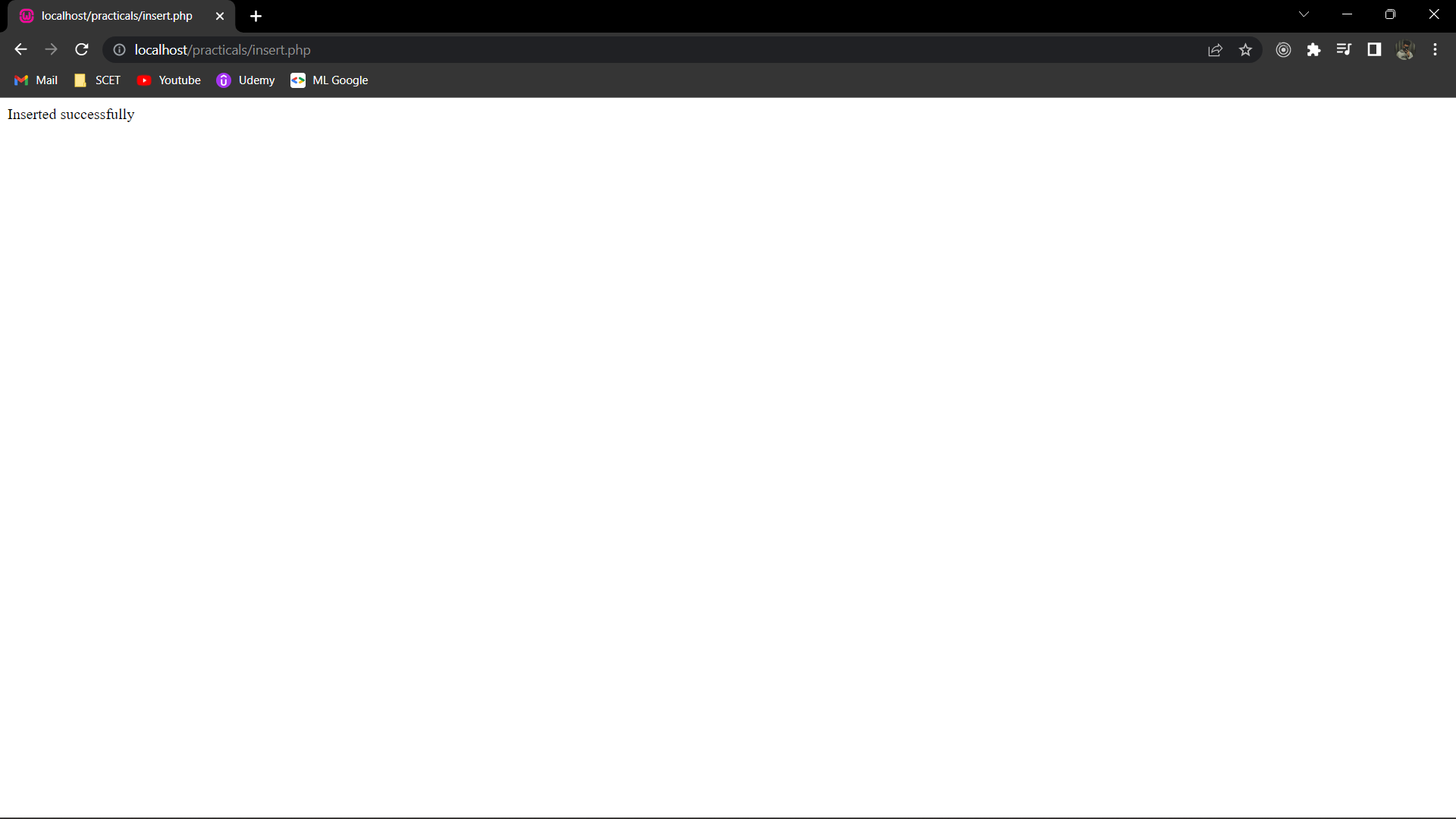
}

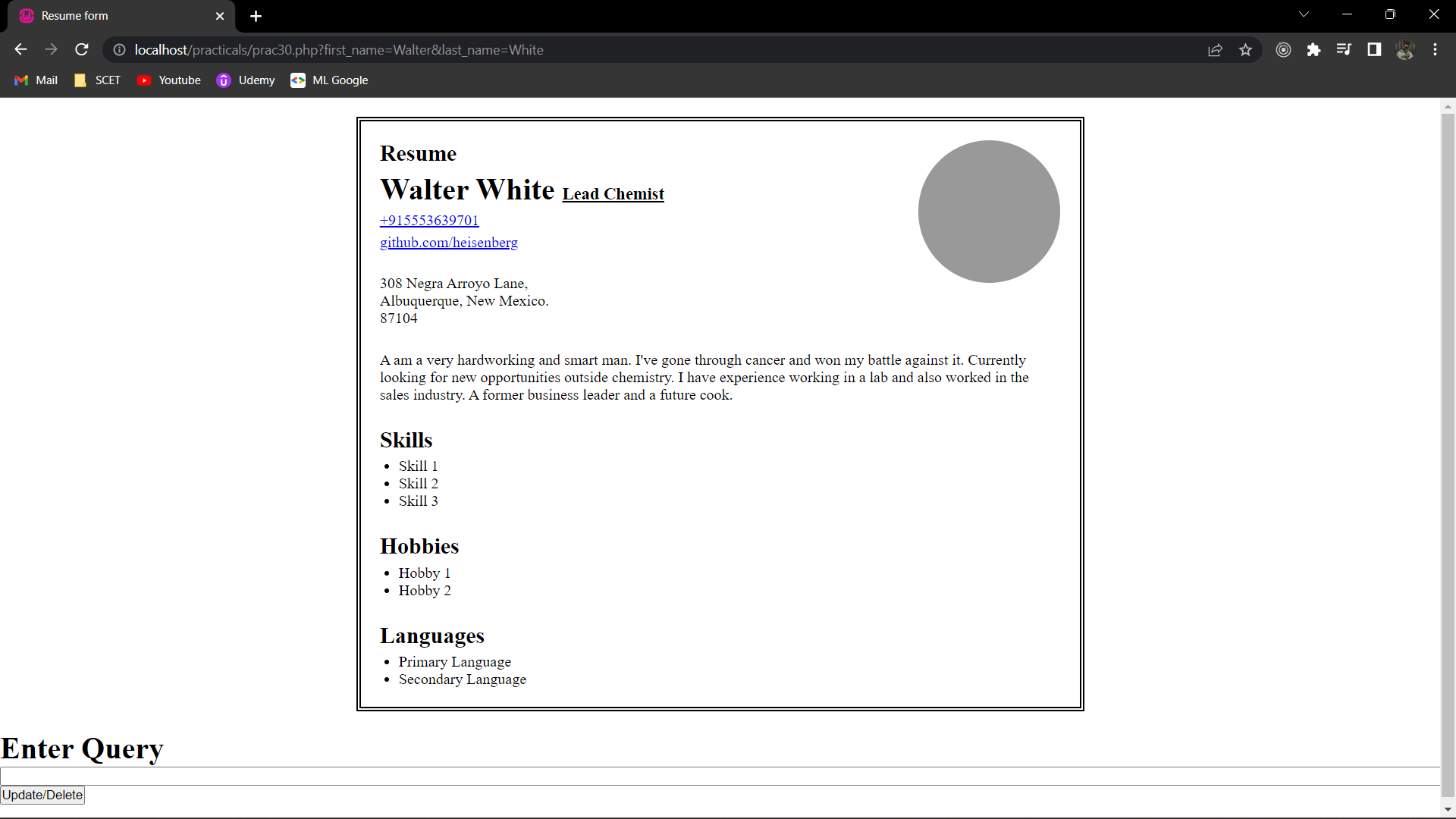
}

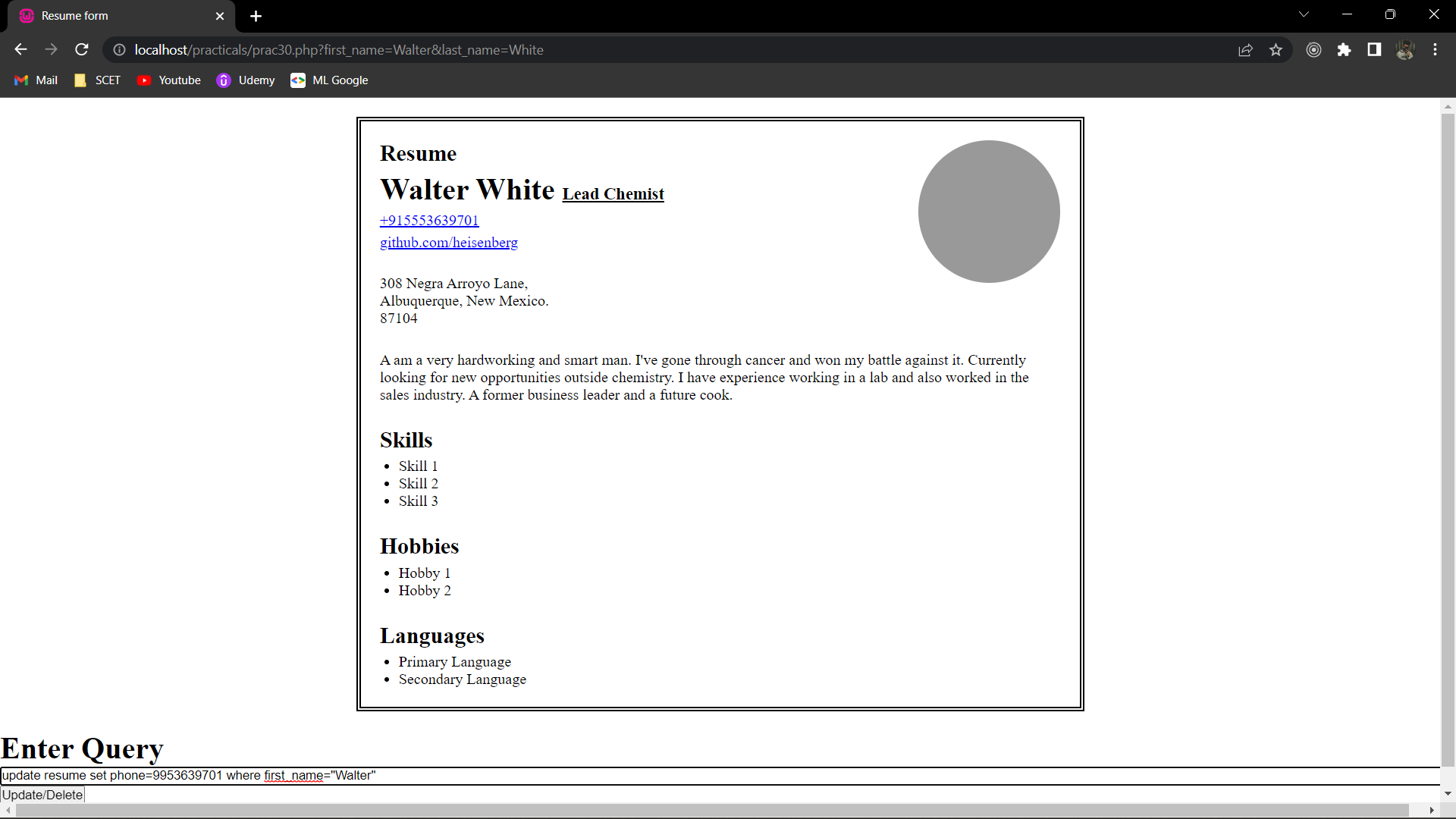
?>

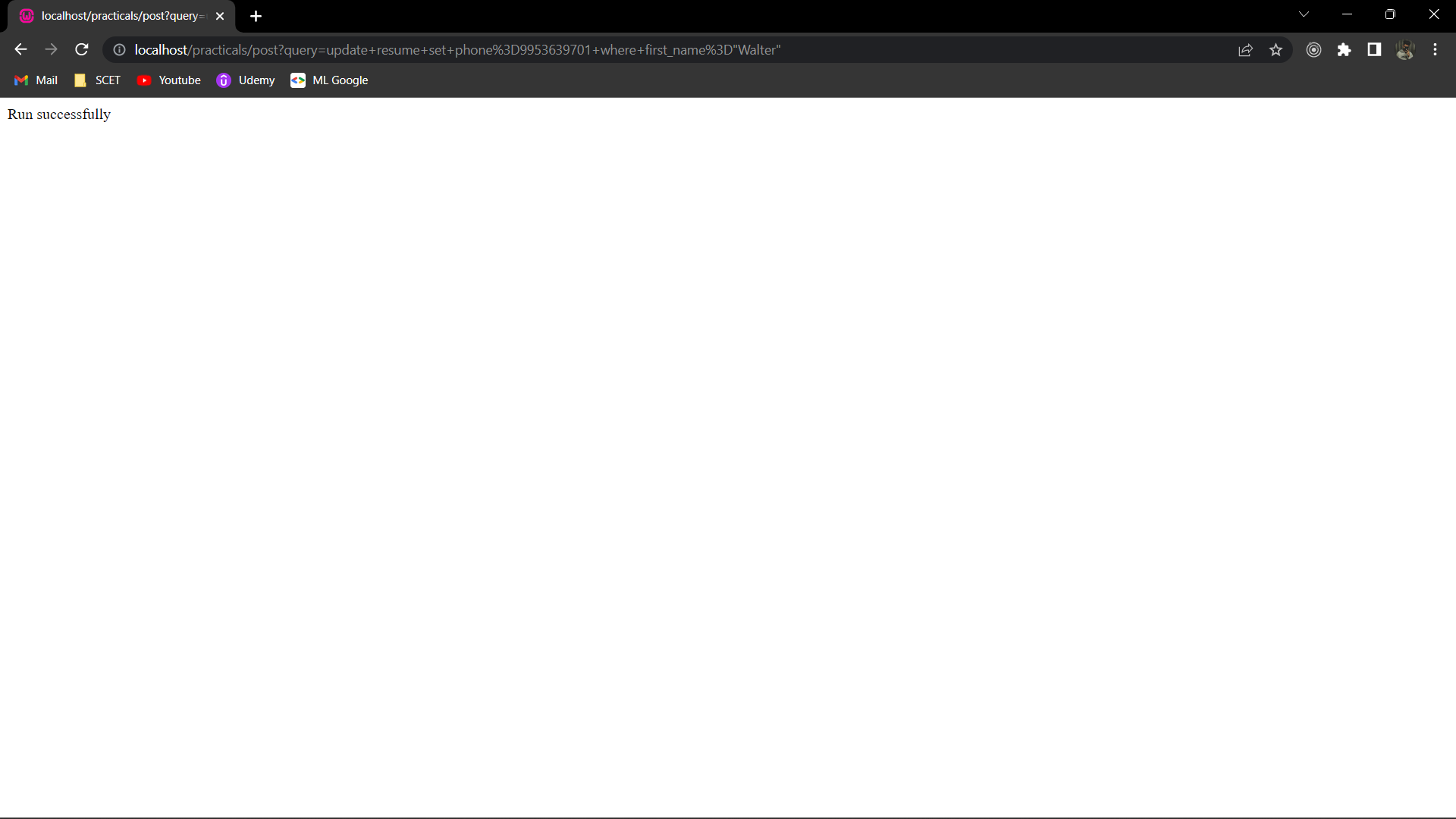
Output

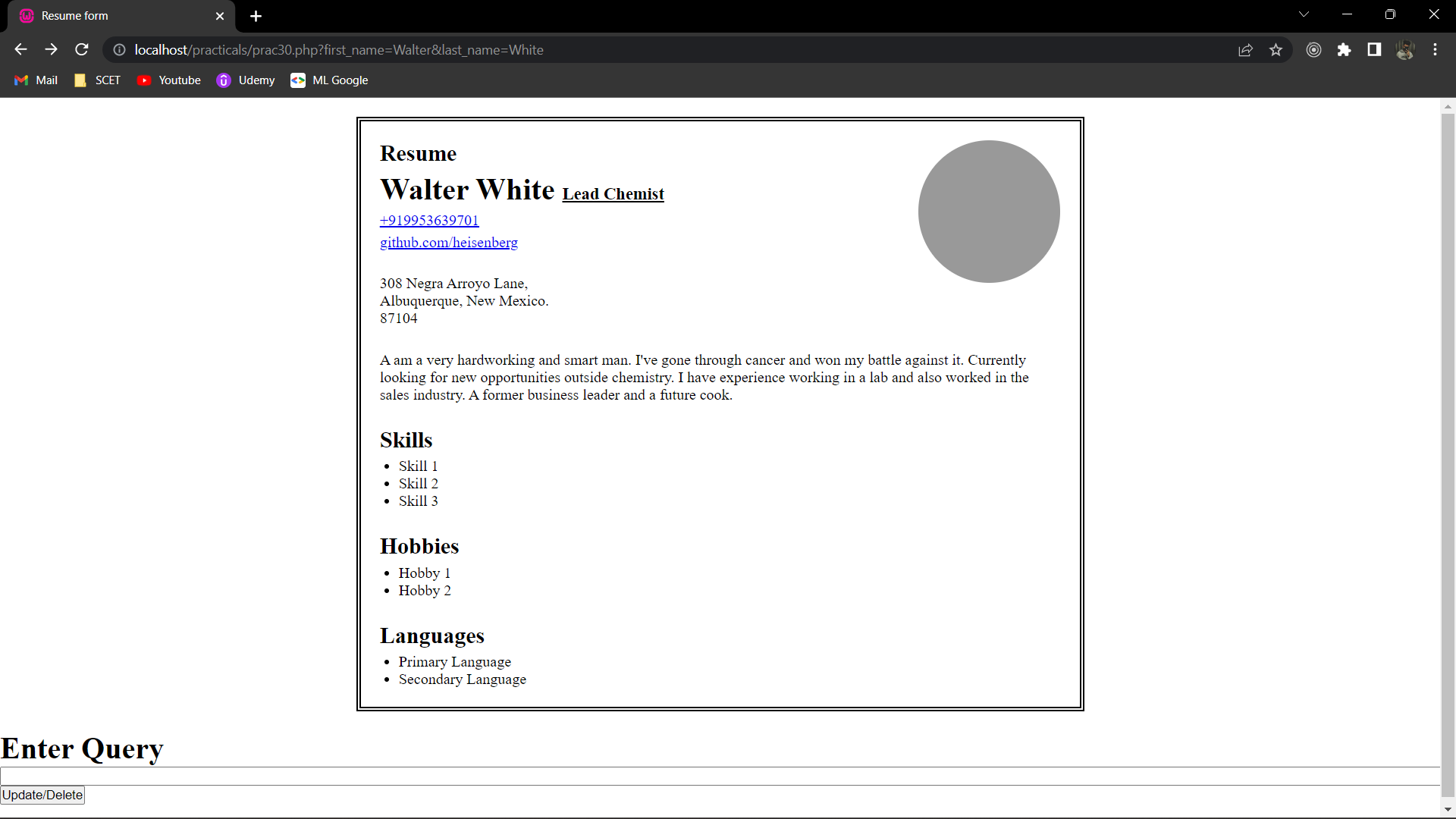












Database structure - 