

WEB DEVELOPMENT ASSIGNMENT



SUBMITTED BY:

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CO3

Number of Visitors visiting the website.

Digital clock with current time of server.

Simple Calculator operations.

```
<?php

    $handle=fopen("counter.txt","r");

    if(!$handle){

        echo "could not open the file";

    }

    else{

        $counter=(int) fread($handle, 20);

        fclose($handle);

        $counter++;

        echo" <strong> Visits ". $counter . " </strong> " ;

        $handle=fopen("counter.txt", "w");

        fwrite($handle, $counter);

        fclose($handle);

    }

    $result="";

    class calculator{

        var $a;

        var $b;

        function check($operator){
```

```

switch ($operator) {

    case '+':

        return $this->a + $this->b;

        break;

    case '-':

        return $this->a - $this->b;

        break;

    case '*':

        return $this->a * $this->b;

        break;

    case '/':

        return $this->a / $this->b;

        break;

    default:

        return "No command";

        break;

}

}

function getresult($a,$b,$c){

    $this->a=$a;

    $this->b=$b;

    return $this->check($c);          }

```

```

    }

    $cal=new calculator();

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

        $result=$cal->getresult($_POST['n1'],$_POST['n2'],$_POST['op']);

    }

?>

<!DOCTYPE html>

<html>

<head>

    <title>VISITORS</title>

    <script type="text/javascript">

        function startTime(){

            var today=new Date();

            var h=today.getHours();

            var m=today.getMinutes();

            var s=today.getSeconds();

            h=checkTime(h);

            m=checkTime(m);

            s=checkTime(s);

            document.getElementById('txt').innerHTML=h+":"+m+":"+s;

            t=setTimeout(function(){startTime()},500);

        }

```

```
function checkTime(i){

    if(i<10){

        i="0"+i;

    }

    return i;

}

</script>

</head>

<body onload="startTime()">

    <h1>Hello World!!!</h1>

    <div id="txt"></div>

    <form method="post">

        <table align="center">

            <tr>

                <td><strong><?php echo $result; ?><strong></td>

            </tr>

            <tr>

                <td>Enter first number</td>

                <td><input type="text" name="n1"></td>

            </tr>

            <tr>

                <td>Enter second number</td>
```

```
        <td><input type="text" name="n2"></td>

    </tr>

    <tr>

        <td>Select operator</td>

        <td><select name="op">

            <option value="+">+</option>

            <option value="-">-</option>

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

            <option value="/">/</option>

        </select></td>

    </tr>

    <tr>

        <td></td>

        <td><input type="submit" name="submit" value="="></td>

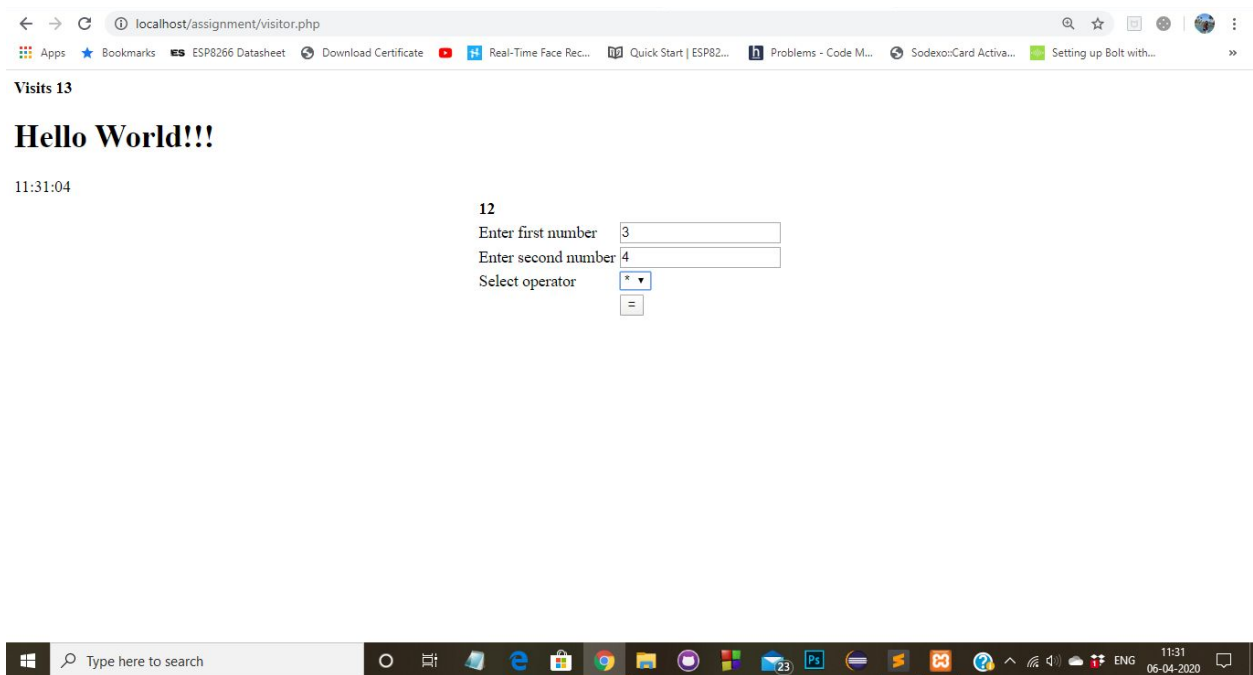
    </tr>

</table>

</form>

</body>

</html>
```



User Validation Web Application with form validation

DB.PHP

```
<?php
```

```
    $servername='localhost';
```

```
    $user='root';
```

```
    $pwd='root';
```

```
    $dbname='library';
```

```
    $conn=mysqli_connect($servername,$user,$pwd,$dbname);
```

```
    if(!$conn){
```

```
        die('Could not connect'.mysql_error());
```

```
    }
```

```
?>
```

REGISTRATION.PHP

```
<?php
```

```
    require "db.php";
```

```
    if(isset($_SESSION['user_id'])!=""){
```

```
        header("Location:dashboard.php");
```

```
    }
```

```
    if(isset($_POST['signup'])){
```

```
        $name=mysqli_real_escape_string($conn,$_POST['name']);
```

```
        $email=mysqli_real_escape_string($conn,$_POST['email']);
```

```
        $mobile=mysqli_real_escape_string($conn,$_POST['mobile']);
```

```
        $password=mysqli_real_escape_string($conn,$_POST['password']);
```

```
        $cpassword=mysqli_real_escape_string($conn,$_POST['cpassword']);
```

```
        $name_error="";
```

```
        $email_error="";
```

```
        $password_error="";
```

```
        $mobile_error="";
```

```
        $cpassword_error="";
```

```
        if(!preg_match("/^[a-zA-Z]+$/", $name)){
```

```
            $name_error="Name must contain only alphabets and space";
```

```
        }
```

```
        if(!filter_var($email,FILTER_VALIDATE_EMAIL)){
```



```

        $email_error="Please enter valid email address";

    }

    if(strlen($password)<6){

        $password_error="Password must be minimum 6 letters i length";

    }

    if(strlen($mobile)<10){

        $mobile_error="Mobile number be of 10 digits";

    }

    if($password!=$cpassword){

        $cpassword_error="Password and confirm password not same";

    }

    if(mysqli_query($conn,"INSERT INTO users(name, email, mobile ,password)
VALUES('" . $name . "', '" . $email . "', '" . $mobile . "', '" . md5($password) . "')"){

        header("Location:login.php");

        exit();

    }

    else{

        echo "Error: " .mysqli_error($conn);

    }

    mysqli_close($conn);

}

```

?>

```
<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

    <title>Registration</title>

    <link rel="stylesheet" type="text/css"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">

</head>

<body >

    <div class="container">

        <div class="row">

            <div class="col-lg-8 col-offset-2">

                <div class="page-header"><h2>Registration form</h2></div>

                <p>Please all fields in the form</p>

                <form method="post" action="<?php echo
$_SERVER["PHP_SELF"];?>">

                    <div class="form-group">

                        <label>Name</label>

                        <input type="text" name="name"
class="form-control" value="" maxlength="50" required="">

                        <span class="text-danger"><?php if
(isset($name_error)) echo $name_error; ?></span>

                    </div>

                </div>

            </div>

        </div>

    </div>

</body>

</html>
```

```
<div class="form-group">

    <label>Email</label>

    <input type="email" name="email"
class="form-control" value="" maxlength="30" required="">

    <span class="text-danger"><?php if
(isset($email_error)) echo $email_error; ?></span>

</div>
```

```
<div class="form-group">

    <label>Mobile</label>

    <input type="text" name="mobile"
class="form-control" value="" maxlength="12" required="">

    <span class="text-danger"><?php if
(isset($mobile_error)) echo $mobile_error; ?></span>

</div>
```

```
<div class="form-group">

    <label>Password</label>

    <input type="password" name="password"
class="form-control" value="" maxlength="8" required="">

    <span class="text-danger"><?php if
(isset($password_error)) echo $password_error; ?></span>

</div>
```

```
<div class="form-group">

    <label>Confirm Password</label>

    <input type="password" name="cpassword"
class="form-control" value="" maxlength="8" required="">

    <span class="text-danger"><?php if
(isset($cpassword_error)) echo $cpassword_error; ?></span>

</div>

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

    Already have an account <a href="login.php" class="btn
btn-default">Login</a>

</form>

</div>

</div>

</div>

</body>

</html>
```

Registration form

Please fill all fields in the form

Name

Rupasa Karmakar

Email

ritishakarmakar@gmail.com

Mobile

09654250191

Password

Confirm Password

[submit](#)

[Already have an account](#) [Login](#)

LOGIN.PHP

```
<?php
```

```
session_start();
```

```
require_once "db.php";
```

```
if(isset($_SESSION['user_id'])) header("Location:dashboard.php");
```

```
if(isset($_POST['login'])){
```

```
    $email=mysqli_real_escape_string($conn,$_POST['email']);
```

```
    $password=mysqli_real_escape_string($conn,$_POST['password']);
```

```
    if(!filter_var($email,FILTER_VALIDATE_EMAIL)){
```

```
        $email_error="Please enter valid email id";
```

```
    }
```

```
    if(strlen($password) < 6) {
```

```
        $password_error = "Password must be minimum of 6 characters";
```

```

    }

    $result=mysqli_query($conn,"SELECT * FROM users WHERE email = '" .
$email. "' and password = '" . md5($password). "'");

    if(mysqli_num_rows($result)>0){

        if($row=mysqli_fetch_assoc($result)){

            $_SESSION['user_id']=$row['uid'];

            $_SESSION['user_name'] = $row['name'];

            $_SESSION['user_email'] = $row['email'];

            $_SESSION['user_mobile'] = $row['mobile'];

            header("Location: dashboard.php");

        }

    }else {

        //$error_message="Incorrect email or password";

        //echo $error_message;

        echo mysqli_error($conn);

    }

}

?>

<!DOCTYPE html>

<html>

    <head>

```

```
<title>LOGIN</title>

<meta charset="utf-8">

<link rel="stylesheet" type="text/css"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">

</head>

<body>

<div class="container">

<div class="row">

<div class="col-lg-10">

<div class="page-header">

<h2>Login form</h2>

</div>

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

<div class="form-group">

<label>Email</label>

<input type="email" name="email" class="form-control"
value="" maxlength="30" required="true">

<span class="text-danger"><?php if(isset($email_error))
echo $email_error; ?></span>

</div>

<div class="form-group">

<label>Password</label>
```

```

        <input type="password" name="password"
class="form-control" value="" maxlength="8" required="true">

        <span class="text-danger"><?php
if(isset($password_error)) echo $password_error; ?></span>

    </div>

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

    <br>

    You dont have account><a href="registration.php"
class="mt-3">Click here</a>

    </form>

</div>

</div>

</div>

</body>

</html>

```

Login form

Email

ritishakarmakar@gmail.com

Password

.....|

submit

You dont have account>[Click here](#)

DASHBOARD.PHP

```
<?php
```



```
session_start();
```

```
if(isset($_SESSION['user_id']) == "") {
```

```
    header("Location: login.php");
```

```
}
```

```
?>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

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

```
    <title>User Info Dashboard</title>
```

```
    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
rel="stylesheet">
```

```
</head>
```

```
<body>
```

```
    <div class="container">
```

```
        <div class="row">
```

```
            <div class="col-lg-8">
```

```
                <div class="card">
```

```
<div class="card-body">

    <h5 class="card-title">Name :- <?php echo $_SESSION['user_name']?></h5>

    <p class="card-text">Email :- <?php echo $_SESSION['user_email']?></p>

    <p class="card-text">Mobile :- <?php echo $_SESSION['user_mobile']?></p>

    <a href="logout.php" class="btn btn-primary">Logout</a>

</div>

</div>

</div>

</div>

</div>

</body>

</html>
```

Name :- Rupasa Karmakar

Email :- ritishakarmakar@gmail.com

Mobile :- 09654250191

Logout

LOGOUT.PHP

```
<?php

    ob_start();
```

```

session_start();

if(isset($_SESSION['user_id'])) {

    session_destroy();

    session_unset();

    header("Location: login.php");

} else {

    header("Location: login.php");

}

?>

```

Sort records using selection sort

```

<?php

function selection($data)

{

    for($i=0; $i<count($data)-1; $i++)

    {

        $min = $i;

        for($j=$i+1; $j<count($data); $j++)

        {

            if ($data[$j]<$data[$min])

            {

                $min = $j;

            }

        }

    }

}

```

```

        }

        $data = swap($data, $i, $min);

    }

    return $data;

}

function swap($data1, $left, $right)

{

    $backup_old_data_right_value = $data1[$right];

    $data1[$right] = $data1[$left];

    $data1[$left] = $backup_old_data_right_value;

    return $data1;

}

$hostname="localhost";

$username="root";

$password="";

$databse="webdevelopment";

$conn=new mysqli($hostname,$username,$password,$databse); //Using mysqli because
mysql is depreciated.

if(!$conn)

{

    die("Connection failed: " . mysqli_connect_error());

}

```

```

        $array1= array();

$query="SELECT * FROM students";

if ($result = $conn->query($query))
{
    while ($row = $result->fetch_assoc())
    {
        array_push($array1,$row['MARKS']);
    }

    echo implode(' ', $array1 );

    echo "\n Sorted MARKS :\n";

    echo implode(' ',selection_sort($array1)). PHP_EOL;

    $result->free();
}

else

{

echo "1"; } ?>

```

A web application login page with hello + name and a logout button

```
<?php
```

```

    session_start();

```

```

    if(isset($_SESSION['user_id']) == "") {

```

```
        header("Location: login.php");
    }

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>User Info Dashboard</title>

    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
rel="stylesheet">

</head>

<body>

    <div class="container">

        <div class="row">

            <h1>Hello <?php echo $_SESSION['user_name']?></h1>

            <div class="col-lg-8">

                <div class="card">

                    <div class="card-body">

                        <!--<h5 class="card-title">Name :- <?php //echo
$_SESSION['user_name']?></h5>

                        <p class="card-text">Email :- <?php //echo $_SESSION['user_email']?></p>
```

```
<p class="card-text">Mobile :- <?php //echo $_SESSION['user_mobile']?></p>-->

<a href="logout.php" class="btn btn-primary">Logout</a>

</div>

</div>

</div>

</div>

</div>

</body>

</html>
```

Hello Rupasa Karmakar

Logout

