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		<b>SHOPPINGCART</b>		
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<b>EX.NO: 1</b>	<b>SYSTEM CONFIGURATION USING SHELL SCRIPT</b>

### **AIM:**

To write a shell script to show the system configuration in command prompt.

### **ALGORITHM:**

**Step:1-** Start→Search **cmd** .

**Step:2** – Use **cd..** command to exit from the current directory and goto parent directory

**C:\**

**Step:3-** Enter the command **whoami, dir, path, hostname,**

**systeminfo.Step:4-** The output will be displayed in the screen.

### **SOURCE CODE:**

C:\Users\stude

nt>cd..

C:\Users>cd..

C:\>

C:\>

whoa

mi

C:\>d

ir

C:\>p

ath

C:\>cd

C:\Users\Administrator C:\

```
Users\Administrator>hostna  
me  
C:\ Users\Administrator>systeminfo
```

**Steps:**

<b>EX.NO:</b> <b>02</b>	<b>IMPLEMENT THE FILTER COMMAND</b>

**AIM:**

To write a shell script to implement the filter commands

**ALGORITHM:**

**Step:1-** Start→Search **cmd** .

**Step:2 –** Use **cd..** command to exit from the current directory and goto parent directory

**C:\**

**Step:3-** Change the directory to **D:\** .

**Step:4-** Using **dir** command opening a specific file and getting information about thatfile.

**Step:5-** The output will be displayed on the screen.

**SOURCE CODE:**

```

C:\Users\student>cd..
C:\Users>cd..
C
:
\
>

C
:
\
>
D
:
D:\>cd D:\IV
D:\IV>dir bonafide.docx /s/p

```

## STEPS:

EX.NO: 3	READ, ADD, REMOVE & MODIFY A RECORD IN TABLE

## SOURCE CODE:

```

create table employee1(eid varchar(20) primary key,name1 char(30),age
number(3));desc employee1;

```

## STEPS:

<b>EX.NO: 4</b>	<b>INTERFACE TO CREATE A DATABASE &amp; INSERT TABLE INIT</b>

### **AIM:**

To write a PHP program interface to create a database and insert a table into it

### **ALGORITHM:**

**Step:01**-Start→Search XAMPP.

**Step:02**-Start **Apache,MySQL**.

**Step:03**-Start→Search

**DREAMWEAVER**→Open. **Step:04**-Click

**File**→**New**.

**Step:05**- Select page type as **PHP** and click

**Create****Step:06**-Click on **code** and type the program.

**Step:07**-File→Save→C:\XAMPP\htdocs\phpprograms And Save Name AS **Filename.php** and File Type As **All Files**.

**Step:08**-Click **File**→**New** And Select page type as **PHP** and click

**Create****Step:09**-Click on **code** and type the program .Click

File→Save→C:\XAMPP\htdocs\phpprograms And Save Name As **Filename.php** andFile Type As **All Files**.

**Step:10**-Open Chrome And Search **localhost/phpprograms/** .

**Step:11**-Open The Program 1 And Program 2 And the Output Is.

### **PROGRAM:**

#### **DATABASE CREATION**

```
<?php
```

```
$link = mysqli_connect("localhost", "root",  
    "");if($link === false){
```

```

        die("ERROR: Could not connect. " . mysqli_connect_error());
    }
    $sql = "CREATE DATABASE DBNAME";
    if(mysqli_query($link, $sql)){
        echo "Database created successfully";
    } else{
        echo "ERROR: Could not able to execute $sql. " . mysqli_error($link);
    }
    mysqli_close($link);
?>

```

## TABLE CREATION USING PHP MYSQL

```

<?php
$link = mysqli_connect("localhost", "root", "", "DBNAME");
// Check
connection
if($link ===
false){
    die("ERROR: Could not connect. " . mysqli_connect_error());
}
// Attempt create table query execution
$sql = "CREATE TABLE persons(
    id INT NOT NULL PRIMARY KEY AUTO_INCREMENT,
    first_name VARCHAR(30) NOT
    NULL, last_name VARCHAR(30)
    NOT NULL, email VARCHAR(70)
    NOT NULL UNIQUE
)";
if(mysqli_query($link, $sql)){
    echo "Table created successfully.";
} else{
    echo "ERROR: Could not able to execute $sql. " . mysqli_error($link);
}

```

```
// Close  
connection  
mysqli_close  
($link);  
?>
```

## **STEPS:**

.

<b>EX.NO: 5</b>	<b>USING CLASSES CREATE A TABLE</b>

## **AIM:**

To write PHP program using a classes create a table

## **ALGORITHM:**

**Step:1** – Start→Search **XAMPP Control**

**Pannel.Step:2** – Start **Apache** And **MySql**.

**Step:3** – Start→Search **Adobe Dreamweaver**.

**Step:4** – Click File→New→Select **Page Type** As **PHP** and then click

**Create.Step:5** – Type the program in Code Section And Save it in

**C:\XAMPP\htdocs\phpprograms** Location.

**Step:6-** Open **Chrome** And Search <http://localhost/phpmyadmin/>

**Step:7-** Click database on the left of the page and enter the database name as **demo**

then click **create**.

**Step:6** – Open **Chrome** And Search

<http://localhost/phpprograms/>**Step:7** – Open The Program

Output.

## **PROGRAM:**

```
<?php
$link = mysqli_connect("localhost", "root", "", "demo");

// Check
connection
if($link ===
false){
    die("ERROR: Could not connect. " . mysqli_connect_error());
}

// Attempt create table query execution
$sql = "CREATE TABLE persons(
```



```

        id INT NOT NULL PRIMARY KEY AUTO_INCREMENT,
        first_name VARCHAR(30) NOT
        NULL, last_name VARCHAR(30)
        NOT NULL, email VARCHAR(70)
        NOT NULL UNIQUE
    );
if(mysqli_query($link, $sql)){
    echo "Table created successfully.";
} else{
    echo "ERROR: Could not able to execute $sql. " . mysqli_error($link);
}

// Close
connection
mysqli_close
($link);
?>

```

## STEPS:

<b>EX.NO:</b> <b>06</b>	<b>UPLOAD A FILE TO A SERVER</b>

## AIM:

To write a PHP program to upload a file to a server.

## ALGORITHM:

**Step:1** – Start→Search **XAMPP Control**

**Pannel.Step:2** – Start **Apache** And **MySql**.

**Step:3** – Start→Search **Adobe Dreamweaver**.

**Step:4** – Click **File**→**New**→Select **Page Type** As **PHP** and then click **Create**.

**Step:5** – Type the program in Code Section And Save it in **C:\XAMPP\htdocs\phpprograms** Location.

**Step:6** – Open **Chrome** And Search

<http://localhost/phpprograms/>**Step:7** – Open The Program

Output.

**Step:8** – Click **choose file** and select the file and click **submit**.

**Step:9** – Go to the following path

**C:\XAMPP\htdocs\phpprograms** Andthe File will be uploaded there.

#### **PROGRAM:**

```
<html>
  <head>
    <title>Simple File Upload Script in PHP</title>
    <link
      href="http://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/css/bootstrap
.min.css" rel="stylesheet">
  </head>
  <body>
    <div class="container">

    <?php
```

```

if (is_uploaded_file($_FILES['attachment']['tmp_name'])) {
    $newname = dirname(__FILE__) . '/'
    .basename($_FILES['attachment']['name']);
    if($_FILES['attachment']['size'] > 2097152) {
        $errors[]='File size must be exactly 2 MB';
    }

    $file_ext=strtolower(end(explode('.',$_FILES['attachment']['name'])));
    $extensions=
    array("pdf","doc","docx");
    if(in_array($file_ext,$extensions)==
    = false){
        $errors[]="File extension not allowed, please choose a PDF,
        DOC,
        DOCX file.";
    }
    if(empty($errors)==true){
        if
            (!(move_uploaded_file($_FILES['attachment']['tmp_
            name'],
            $newname))) { upload!</p>\n";

        }
        else{

        }

    }
?>

```

```

        echo "<p>ERROR:    A problem occurred during file

} else {
    echo "<p>The file has been saved as: { $newname}</p>\n";
}

print_r($errors);

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

enctype="multipart/form-data">
<div class="form-group">
    <label    class="col-md-3    control-label">Upload    a    file    (PDF,    DOC,DOCX
    <div class="col-md-6">
        <input type="file" name="attachment" class="form-control-file" />
    </div>
</div>
<div class="form-group">
    <div class="col-md-9 col-md-offset-3">
        <button type="submit" class="btn btn-primary">Submit</button>
    </div>
</div>
</form>
</div>
</body>
</html>

```

## STEPS:

<b>EX.NO:</b> <b>07</b>	<b>ACCESS A DATA STORED IN MYSQL TABLE</b>

### **AIM:**

To write a PHP program to access the data stored in mysql table

### **ALGORITHM:**

**Step:1** – Start→Search **XAMPP Control**

**Pannel.Step:2** – Start **Apache And MySql.**

**Step:3** – Start→Search **Adobe Dreamweaver**

**Step:4** – Click File→New→Select **Page Type As PHP** and then click **Create.**

**Step:5** – Type the program in Code Section And Save it As config.php in

**C:\XAMPP\htdocs\phpprograms** Location.

**Step:6** – Type the Second program in Code Section And Save it As create.php in **C:\XAMPP\htdocs\phpprograms** Location.

**Step:7** – Type the Third program in Code Section And Save it As read.php in **C:\XAMPP\htdocs\phpprograms** Location.

**Step:8** – Open **Chrome** And Search <http://localhost/phpmyadmin/>

**Step:9** – Click New and enter Database name as **mydb** and click **create. Step:10** –Enter Name as **users** ,Enter Number Of Columns As **5** And Click**Go.**

**Step:11** – Enter the table names ,Select the type as **VARCHAR** And enterthe length /value as **34** And click **Save.**

**Step:12** –Open New Tab and Search

<http://localhost/phpprograms/create.php> **HYPERLINK**

["http://localhost/phpprograms/create.php"](http://localhost/phpprograms/create.php) . Enter the Inputs, click **submit**.**Step:13** – Open New Tab and Search <http://localhost/phpprograms/read.php> **HYPERLINK** ["http://localhost/phpprograms/read.php"](http://localhost/phpprograms/read.php) . It will display the given input as output data.

**Step:14** – Open New Tab And Search <http://localhost/phpmyadmin/> **HYPERLINK** ["http://localhost/phpmyadmin/"](http://localhost/phpmyadmin/) .

Click Users In mydb ,it will display the output.

## **PROGRAM:**

### **Config.php**

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "mydb";
$conn = new mysqli($servername, $username, $password,
$dbname);if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
?>
```

### **Create.php**

```
<?php
include "config.php";
if (isset($_POST['submit'])) {
    $first_name = $_POST['firstname'];
    $last_name = $_POST['lastname'];
    $email = $_POST['email'];
    $password = $_POST['password'];
    $gender = $_POST['gender'];
```

```

    $sql = "INSERT INTO `users`(`firstname`, `lastname`, `email`, `password`,
`gender`)VALUES ('$first_name','$last_name','$email','$password','$gender')";
    $result = $conn-
    >query($sql);if
    ($result == TRUE) {
        echo "New record created successfully.";
    }else{
        echo "Error:". $sql . "<br>". $conn->error;
    }
    $conn->close();
}

```

?>

<!DOCTYPE html>

<html>

<body>

<h2>Signup Form</h2>

<form action="" method="POST">

<fieldset>

<legend>Personal

information:</legend>First

name:<br>

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

<br>

Last name:<br>

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

<br>

>

Em

ail:

<br>

>

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

<br>

Passwo

rd:<br>

```

<input type="password" name="password">
<br>
Gend
er:<b
r>
<input type="radio" name="gender" value="Male">Male
<input type="radio" name="gender" value="Female">Female
<br><br>
<input type="submit" name="submit" value="submit">
</fieldset>
</form>
</body>
</html>

```

## read.php

```

<?php
include "config.php";
$sql = "SELECT * FROM users";
$result = $conn->query($sql);
?>

<!DOCTYPE html>
<html>
<head>
    <title>View Page</title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
</head>

<body>
    <div class="container">
<h2>users</h2
    >

```



```

        <table
class="table">
<thead>
    <tr>
        <th>ID</th>
        <th>First Name</th>
        <th>Last Name</th>
        <th>Email</th>
        <th>Gender</th>
        <th>Action</th>
    </tr>
</thead>
<tbody>
<tr>
    <td><?php echo $row['id']; ?></td>
    <td><?php echo $row['firstname']; ?></td>
    <td><?php echo $row['lastname']; ?></td>
    <td><?php echo $row['email']; ?></td>
    <td><?php echo $row['gender']; ?></td>
    <td><a class="btn btn-info" href="update.php?id=<?php echo
    $row['id']; ?>">Edit</a>&nbsp;<a class="btn btn-danger" href="delete.php?id=<?php echo
    $row['id']; ?>">Delete</a></td>
</tr>

```

```
<?php
    }
}
?>
</tbody>
</
ta
bl
e
>
</
di
v>
</
b
o
d
y
>
<
/
h
t
m
l
>
```

**STEPS:**

<b>EX.NO:</b> <b>08</b>	<b>CREATE AND READ CONTENTS FROM THE DIRECTORY</b>

### **AIM:**

To write a PHP program to create a directory, and to read contents from the directory.

### **ALGORITHM:**

**Step:1** – Start → Search **XAMPP Control**

**Pannel.Step:2** – Start **Apache And MySql.**

**Step:3** – Start → Search **Adobe Dreamweaver.**

**Step:4** – Click File → New → Select **Page Type As PHP** and then click **Create.**

**Step:5** – Type the program in Code Section And Save it As p8.php in **C:\XAMPP\htdocs\phpprograms** Location.

**Step:6** – Type the Second program in Code Section And Save it As p88.php in **C:\XAMPP\htdocs\phpprograms** Location.

**Step:7** – Open Chrome and Search

<http://localhost/phpprograms/p8.php>. **Step:8** – Open Chrome and Search <http://localhost/phpprograms/p88.php>

.

### **PROGRAM:**

I)

```

<?php
//The directory path
$dir= "testdirectory";
//Check the existence of directory
if(!file_exists($dir)){
// Attempt to create
directory
if(mkdir($dir))
{
echo "Directory created successfully.";
}
else
{
echo "ERROR:Directory could not be created.";
}
}
else{
echo "ERROR:Directory already exists.";
}
?>

```

## II)

```

<?php
$dir="testdirectory";
//Open a directory, and read its contents
if(is_dir($dir))
{
if($dh=opendir($dir))
{
while(($file=readdir($dh))!==false)
{
echo "filename:". $file. "<br>";
}
}
}

```

```
closedir($dh);  
}  
}  
?>
```

### STEPS:

<b>EX.NO:</b> <b>09</b>	<b>RESULTS OF A STUDENT FROM A HTML FROM</b>

### AIM:

To write a server side program that displays marks, total, grade of a student in tabular format by accepting user inputs for name, number landmarks from a HTML form

### ALGORITHM:

**Step:1** – Start→Search **XAMPP Control**

**Pannel.Step:2** – Start **Apache** And **MySql**.

**Step:3** – Start→Search **Adobe Dreamweaver**.

**Step:4** – Click File→New→Select **Page Type** As **PHP** and then click

**Create.Step:5** – Type the program in Code Section And Save it As index.php in **C:\XAMPP\htdocs\phpprograms** Location.

**Step:6** – Type the Second program in Code Section And Save it As indexx.php in

**C:\XAMPP\htdocs\phpprograms** Location.

**Step:7** – Open Chrome and Search

<http://localhost/phpmyadmin> **HYPERLINK**

["http://localhost/phpmyadmin"](http://localhost/phpmyadmin) .**Step:8** – Create a table .

**Step:9** – Open Chrome and Search

<http://localhost/phpprograms/index.php> **HYPERLINK**

["http://localhost/phpprograms/index.php"](http://localhost/phpprograms/index.php) . **Step:10** – Open Chrome

and Search <http://localhost/phpprograms/indexx.php> **HYPERLINK**

["http://localhost/phpprograms/indexx.php"](http://localhost/phpprograms/indexx.php) .**Step:11**- Output will be displayed on screen.

## **PROGRAM:**

```
<!DOCTYPEhtml>
<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>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6
jIW3" crossorigin="anonymous">
</head>
<body>

<form action="" method="post">
<label for="fname">Firstname:</label>

<input type="text" id="name" name="name"><br><br>
<label for="mark">Mark:</label>

<input type="text" id="mark" name="mark"><br><br>
```

```
<label for="grade">Grade:</label>
<input type="text" id="grade" name="grade"><br><br>
<input type="submit" name="submit" value="submit">
</form>
```

```
</body>
</html>
```

```
<?php
```

```
//Create Connection
```

```
$conn=mysqli_connect("localhost","root","","test");
//checkco
```

```
nnection
```

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

```
{
```

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

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

```
$name=$_POST['name'];
```

```
$mark=$_POST['mark'];
```

```
$grade=$_POST['grade'];
```

```
$sql="INSERT INTO details(name,marks,grade)
values('$name','$mark','$grade)";echo $sql;
```

```
$result=mysqli_query($conn,$sql);
```

```
if($result){  
    echo'inserted seccessfully';  
}  
else{  
    echo'  
    o'error'  
    ;  
}  
}
```

```
/--FETCHINGDATAFROMTABLE--/
```

```
$sql="SELECT*FROMdetails";  
$result=mysqli_query($conn,$sql);
```

```
if($result->num_rows>0){  
    //outputdataofeachrow  
    while($row=$result-  
    >fetch_array()){ echo'<table  
    class="table">  
    <thead>  
    <tr>  
    <thscope="col">Id</th>  
    <thscope="col">Name</th>  
    <thscope="col">Marks</th>  
    <thscope="col">Grade</th>  
    </tr>  
    </thead>  
    <tbody>  
    <tr>  
    <td>'.$row["id"].'</td>
```



```
<td>'.$row["name"].'</td>
<td>'.$row["marks"].'</td>
<td>'.$row["grade"].'</td>
</tr>
</tbody>
</table>';
}
}else{
echo"Or
results";
}
$conn->close();

?>
```

**OUTPUT:**

**Entering Student Data**

## **Data Inserted into Database Successfully**

<b>EX.NO:</b> <b>10</b>	<b>PRODUCTS FROM A WEBPAGE TO A SHOPPING CART</b>

### **AIM:**

To write a php program that adds products that are selected from a webpage to shopping cart

### **ALGORITHM:**

**Step:1** – Start→Search **XAMPP Control**

**Pannel.Step:2** – Start **Apache And MySql.**

**Step:3** – Start→Search **Adobe Dreamweaver.**

**Step:4** – Click File→New→Select **Page Type** As **PHP** and then click **Create.**

**Step:5** – Type the program in Code Section And Save it As p10.php in **C:\XAMPP\htdocs\phpprograms** Location.

**Step:6** – Open Chrome and Search

<http://localhost/phpprograms/p10.php>

.  
**Step:7-** Output will be displayed on screen.

**PROGRAM:**

```
//add new key=>value to the HTML5
storagefunction SaveItem() {

var name =
document.forms.ShoppingList.name.value;var
data =
document.forms.ShoppingList.data.value;
localStorage.setItem(name, data);
doShowAll();

}

//_____
//change an existing key=>value in the HTML5
storagefunction ModifyItem() {
var name1 =
document.forms.ShoppingList.name.value;var
data1 = document.forms.ShoppingList.data.value;
//check if name1 is already exists

//check if key exists
if (localStorage.getItem(name1) !=null)
{
//update
localStorage.setItem(name1,dat
a1);
document.forms.ShoppingList.data.value = localStorage.getItem(name1);
}

doShowAll();
}
```

```

// _____
//delete an existing key=>value from the HTML5
storagefunction RemoveItem() {
var name = document.forms.ShoppingList.name.value;
document.forms.ShoppingList.data.value = localStorage.removeItem(name);
doShowAll();
}

// _____

//restart the local
storagefunction
ClearAll() {

localStorage
.clear();
doShowAll(
);
}

// _____ -

// dynamically populate the table with shopping list items
//below step can be done via PHP and
AJAX too.function doShowAll() {
if
(CheckBrows
er()) { var key
= "";
var list =
"<tr><th>Item</th><th>Value</th></tr>\n";
var i = 0;
//for more advance feature, you can set cap on max items in
the cartfor (i = 0; i <= localStorage.length-1; i++) {
key = localStorage.key(i);
list += "<tr><td>" + key + "</td>\n<td>"
+ localStorage.getItem(key) + "</td></tr>\n";
}

//if no item exists in the cart
if (list == "<tr><th>Item</th><th>Value</th></tr>\n") {

```

```

list += "<tr><td><i>empty</i></td>\n<td><i>empty</i></td></tr>\n";
}
//bind the data to html table
//you can use jQuery too....
document.getElementById('list').innerHTML = list;
} else {
alert('Cannot save shopping list as your browser does not support HTML 5');
}
}

/*
=====> Checking the browser support
//this step may not be required as most of modern browsers do support HTML5
*/
//below function may be
redundantfunction
CheckBrowser() {
if ('localStorage' in window && window['localStorage'] !== null) {
// we can use localStorage object to
store datareturn true;
} else {

return false;
}
}
//
/*

You can extend this script by inserting data to database or adding payment
processingAPI to shopping cart..
*/

```

```
td,th {  
font-family:  
monospace;  
padding: 4px;  
background-  
color: #ccc;  
}
```

```
label {  
vertical-align: top;  
}
```

```
#main {  
border: 1px  
dotted blue;  
padding: 6px;  
background-  
color: #ccc;  
margin-right:  
50%;  
}
```

```
#items_table {  
border: 1px  
dotted blue;  
padding: 6px;  
margin-  
top: 12px;  
margin-  
right: 50%;  
}
```

```
#items_table h3 {
```

```
font-  
size:  
18px;  
margin-  
top: 0px;  
font-family: sans-serif;  
}
```

```
<!DOCTYPE HTML>  
<html lang="en-US">  
<head>  
<title>HTML5 Local Storage Project</title>  
<META charset="UTF-8">  
<META name="viewport" content="width=device-width, initial-scale=1,  
shrink-to-fit=no">  
<META NAME='rating' CONTENT='General' />  
<META NAME='expires' CONTENT='never' />  
<META NAME='language' CONTENT='English, EN' />  
<META name="description" content="shopping cart project with HTML5 and  
JavaScript">  
<META name="keywords" content="HTML5,CSS,JavaScript, html5 session  
storage,html5 local storage">  
<META name="author" content="dcwebmakers.com">  
<script src="Storage.js"></script>  
<link rel="stylesheet" href="StorageStyle.css">  
</head>
```

```
<body onload="doShowAll()">  
<h2>Shopping Cart with HTML5 Storage Project</h2>  
<p>Insert items and quantity for your shopping cart. </p>  
<form name=ShoppingList>  
  
<div id="main">
```

```

<table>
<tr>

<td><b>Item:</b><input type=text name=name></td>
<td><b>Quantity:</b><input type=text name=data></td>

</tr>

<tr>
<td>
<input type=button value="Save"  onclick="SaveItem()">
<input type=button value="Update" onclick="ModifyItem()">
<input type=button value="Delete" onclick="RemoveItem()">
</td>
</tr>
</table>
</div>

<div id="items_table">
<h3>Shopping List</h3>
<table id=list></table>
<p>
<label><input type=button value="Clear" onclick="ClearAll()">
<i>* Delete all items</i></label>
</p>
</div>
</form>

</body>
</html>

```

## STEPS: