

## Web Based Application Development with PHP (22619)

### Practical No: 07

Write a simple PHP program to create PDF document by using graphics concepts

#### I Practical Significance:

PHP uses a standard code to display the pdf file in web browser. The process of displaying pdf involves location of the PDF file on the server and it uses various types of headers to define content composition in form of type, Disposition, Transfer-Encoding etc

#### II Relevant Program Outcomes (POs)

- **Basic Knowledge:** Apply knowledge of basic mathematics, sciences and basic engineering to solve the computer group related problem.
- **Discipline Knowledge:** Apply computer programming knowledge to solve the computer group related problems.
- **Experiments and practices:** Plan to perform experiments and practices to use the result to solve the computer group related problems.
- **Engineering tools:** Apply relevant Computer programming technologies and tools with an understanding of the limitations.
- **Individual and Teamwork:** Function effectively as a leader and the team member in diverse/multidisciplinary teams.
- **Communication:** Communicate effectively in oral and written form.

#### III Competency and Practical skills:

##### “Develop application using PHP”

- Write a simple PHP program to create PDF document by using graphics concepts

#### IV Relevant Course Outcome(s):

CO2: Perform operations based on arrays and graphics.

#### V Practical Outcome (PrOs) :

- Write a simple PHP program to create PDF document by using graphics concepts

#### VI Relevant Affective domain related Outcome(s)

5. Follow safety practices.
6. Practice good housekeeping
7. Demonstrate working as a leader/ a team member.
8. Follow ethical practices.

## Web Based Application Development with PHP (22619)

### VII. Resources Required

### IX. Resources used:

Sr. no.	Name of Resources	Suggested Broad Specification	Quantity	Remark
1	Computer System with board specifications	Compute (i3-is) RAM 2GB	1	-
2	Software	PHP 7.3.12	1	-
3	Any other resource used	-	1	-

X. Program Code: Teacher must assign a separate program statement to group of 3-4 students.

Write a program to create pdf file using PHP.

```
<html>
  <body>
    <?php
      require ('fpdf.php');
      $pdf = new FPDF();
      $pdf → Add page();
      $pdf → setfont ('Amol', 'B', 16);
      $pdf → cell (40, 10, "Hello World!");
      $pdf → output();
    ?>
  </body>
</html>
```

XI. Result (Output of code)

XII. Practical Related Questions:

Note: Below given are few sample questions for reference. Teacher must design more such so as to ensure the achievement of identified CO.

1. Write use of various graphics function.

(Space for Answer)

- ① `imagecreate()` :- Is an inbuilt function in PHP which is used to create a new image.
- ② `imagestring()` :- Draws a string at give coordinates.
- ③ `imagepng()` :- Is an inbuilt function in php which is used to display an image to browser.
- ④ `imagedestroy()` :- Is an inbuilt function in php which is used to destroy an image and free any memory associated with the image.

# Web Based Application Development with PHP (22619)

## Practical No: 08

Write a PHP program to

- a) Inherit members of super class in subclass.
- b) Create constructor to initialize object of class by using object oriented concepts.

### I Practical Significance:

Inheritance is a mechanism in which one class acquire property of another class. In PHP, The child class will inherit all the public and protected properties and methods from the parent class. In addition, it can have its own properties and methods. Constructor is special member function whose task to initialize objects of class.

### II Relevant Program Outcomes (POs)

- **Basic Knowledge:** Apply knowledge of basic mathematics, sciences and basic engineering to solve the computer group related problem.
- **Discipline Knowledge:** Apply computer programming knowledge to solve the group related problems.
- **Experiments and practices:** Plan to perform experiments and practices to use the tools to solve the computer group related problems.
- **Engineering tools:** Apply relevant Computer programming technologies and tools with an understanding of the limitations.
- **Individual and Teamwork:** Function effectively as a leader and the team member in diverse/multidisciplinary teams.
- **Communication:** Communicate effectively in oral and written form.

### III Competency and Practical skills:

#### “Develop application using PHP”

- Inherit members of super class in subclass.
- Create constructor to initialize object of class by using object oriented concepts.

### IV Relevant Course Outcome(s):

CO3: Develop programs by applying various object oriented concepts.

### V Practical Outcome (PrOs) :

- Write a simple PHP program to demonstrate use of simple function and parameterized function.

### VI Relevant Affective domain related Outcome(s)

Follow safety practices.

Practice good housekeeping

Demonstrate working as a leader/ a team member.

## Web Based Application Development with PHP (22619)

### IX. Resources used:

Sr. no.	Name of Resources	Suggested Broad Specification	Quantity	Remark
1	Computer System with board specifications	Computer (i3-i5) RAM - 2GB	1	
2	Software	PHP 7.3.12	1	
3	Any other resource used	-	1	

### X. Program Code: Teacher must assign a separate program statement to group of 3-4 students

- Write a program to implements multilevel inheritance.
- Write a program to implements multiple inheritance

```

<html>
  <body>
    <?php
      class Base
      {
        function func1()
        {
          echo "func1 called <br>";
        }
      }

      class derived1 extends Base
      {
        function fun2()
        {
          echo "fun2 called <br>";
        }
      }

      class derived2 extends derived1
      {
        function Fun3()
        {
          echo "Fun3 called <br>";
        }
      }

      $obj = new Derived2();
      $obj = fun1();
    </body>
  </html>
  $obj = fun2();
  $obj = fun3();
?
```

# GOVERNMENT POLYTECHNIC, AHMEDNAGAR

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```
2]
<html>
<body>
<? php ?>
class A
{
    function func1
    {
        echo "Hello";
    }
}
trait B
{
    function func2()
    {
        echo "Welcome";
    }
}
class C extends A
{
```

Use B;

```
function fun3()
{
    echo "Hello World";
}
$obj = fun1();
$obj = fun2();
$obj = fun3();
?>
```

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

## XII. Practical Related Questions:

Note: Below given are few sample questions for reference. Teacher must design more such questions so as to ensure the achievement of identified CO.

1. How to create a sub class.
- 2 Define inheritance and its type with diagram.

(Space for Answer)

1] When we inherit one class, we say an inherited class is a child (sub class) and from which we inherit is called parent class.

2] Inheritance is the way of extending the existing class functionality in the newly created class.

Types :-

i} Single Inheritance

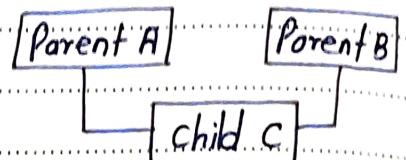
ii} Hierarchical Inheritance

iii) Multilevel Inheritance

iv) Multiple Inheritance

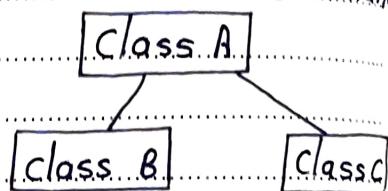
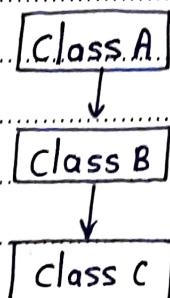
1) Single Inheritance

2) Multiple Inheritance



3) Multilevel Inheritance

iv) Hierarchical Inheritance



#### XI. Exercise

2. Write a program to demonstrate parameterized constructor.

3. Write a program to demonstrate default constructor.

(Space for Answer)

2. <html>

<body>

<?php

class person

{ public \$first;

public \$email;

## Web Based Application Development with PHP (22619)

```
Public $email; mobile;  
function - construct ($name, $email, $mobile)  
{  
    echo "Initializing the object <br>";  
    $this → name = $name;  
    $this → email = $email;  
    $this → mobile = $mobile;  
}  
function display()  
{  
    echo "My name is : " . $this → name . "<br>";  
    echo "Email - id is : " . $this → email . "<br>";  
    echo "Mobile No is : " . $this → mobile . "<br>";  
}  
$ P1 = new person ("Pinki", Pink@gmail.com",  
                    "1122334455");  
$ P1 → display();  
?> </body> </html>
```

3

```
<html>  
<body>  
<?php  
class fruit  
{  
function - construct()  
{  
    echo "constructor is Invoked";  
}  
}  
$ obj = new fruit();  
?  
</body>  
</html>
```

# Web Based Application Development with PHP (22619)

## Practical No. 9:

**Write a simple PHP program on Introspection and Serialization.**

### I Practical Significance:

PHP introspection provides useful ability to examine an object's characteristics. Serialization technique preserves data in a format that can later be restored to its previous form.

### II Relevant Program Outcomes (POs)

- **Basic Knowledge:** Apply knowledge of basic mathematics, sciences and basic engineering to solve the computer group related problem.
- **Discipline Knowledge:** Apply computer programming knowledge to solve the computer group related problems.
- **Experiments and practices:** Plan to perform experiments and practices to use the result to solve the computer group related problems.
- **Engineering tools:** Apply relevant Computer programming technologies and tools with an understanding of the limitations.
- **Individual and Teamwork:** Function effectively as a leader and the team member in diverse/multidisciplinary teams.
- **Communication:** Communicate effectively in oral and written form.

### III Competency and Practical

**skills: "Develop web page**

**with data validation"**

This practical is expected to develop the following skills.

1. Introspection.
2. Serialization.

### IV Relevant Course Outcome(s):

CO3: Develop programs by applying various object oriented concepts.

### V Practical Outcome (PrOs) :

1. Develop program on Introspection
2. Develop program on Serialization

## Web Based Application Development With PHP (22619)

### X. Practical Related Questions.

Note: Below given are few sample questions for reference. Teacher must design more such questions so as to ensure the achievement of identified CO.

1. Explain the concept of introspection in PHP.
2. Explain serialization in PHP?

(Space for Answer)

1

Introspection is the ability of program to examine an objects c/s such as an object name, and so on. With parent class name, method names and so on. With introspection we can write code that operates on any class or object.

2

Serialization of data means converting it into a string of bytes in such a way that you can produce the original data again from the string via a process of unserialization. After you have the ability to serialize/unserialize you can store your serialized string anywhere and recreate a copy of the data again when needed.

#### XI. Exercise

1. Develop a PHP code for serialization.
2. Develop a PHP code for introspection.

(Space for Answer)

```
<html>
<body>
<?php
$data = serialize (array ("Red", "Green",
                           "Blue"));
echo $data "<br>";
$test = unserialize ($data);
var_dump ($test);
?>
</body>
</html>
```

2] <html>  
<body>  
<?php  
    class A  
    {  
        // Body  
    }  
    if (class\_exists('A')) {  
        \$ob = new A();  
        echo "This is A";  
    }  
    else {  
        echo "Not exist";  
    }  
?>  
</body>  
</html>

## XII. References/ Suggestions for Further Reading.

1. <https://www.w3schools.com/php/default.asp>
2. <https://www.guru99.com/what-is-php-program.html>
3. <https://www.tutorialspoint.com/php/>
4. <https://tutorelehtml.com/en/php-tutorial-introduction/>
5. [www.tizag.com/phpT/](http://www.tizag.com/phpT/)
6. <https://books.goalkicker.com/PHPBook/>
7. <https://codecourse.com/watch/php-basics>

## Practical No: 10

Design a web page using following form controls:  
a.Text box, b. Radio button, c. Check box, d. Buttons

### I Practical Significance:

In this practical we will learn how to design a web page using different controls.

### Relevant Program Outcomes (POs)

- **Basic Knowledge:** Apply knowledge of basic mathematics, sciences and basic engineering to solve the computer group related problem.
- **Discipline Knowledge:** Apply computer programming knowledge to solve the computer group related problems.
- **Experiments and practices:** Plan to perform experiments and practices to use the result to solve the computer group related problems.
- **Engineering tools:** Apply relevant Computer programming technologies and tools with an understanding of the limitations.
- **Individual and Teamwork:** Function effectively as a leader and the team member in diverse/multidisciplinary teams.
- **Communication:** Communicate effectively in oral and written form.

### II Competency and Practical skills:

#### “Design a web page”

This practical is expected to learn following skill-

Design a web page using a.Text box, b. Radio button, c. Check box, d. Buttons

#### Relevant Course Outcome(s):

CO4 Use form controls with validation to collect user's input.

### III Practical Outcome (PrOs) :

Write a program to design a web page using a.Text box, b. Radio button, c. Check box, d. Buttons

#### Relevant Affective domain related Outcome(s)

1. Work collaboratively in team.
2. Follow ethical practices

## Web Based Application Development With PHP (22619)

```
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<body>
<div class="w3-container">
<h2>Buttons (w3-button)</h2>
<input type="button" class="w3-button w3-black" value="Input Button">
<button class="w3-button w3-black">Button Button</button>
<a href="#" class="w3-button w3-black">Link Button</a>
</div>
</body>
</html>
```

### **VII. Resources Required**

### **IX. Resources used:**

Sr. no.	Name of Resources	Suggested Broad Specification	Quantity	Remark
1	Computer System with board specifications	Computer (i3-i5) RAM - 2GB	1	-
2	Software	PHP - 7.3.12	1	-
3	Any other resource used	-	1	-

### **X. Program Code: Teacher must assign a separate program statement to group of 3-4 students.**

1. Write a program to design a registration form using textbox, radio button, checkbox and button.

`<html>`

`<body><h1> Registration Form </h1>`

`<form>`

`Enter name: <input type = "text"><br>`

## Web Based Application Development With PHP (22619)

```
Enter marks : <input type = "text"> <br>
Select Gender : <input type = "button"> Male <br>
                <input type = "Radio"> Female <br>
                <input type = "Radio"> Other <br>
Select Subject : <input type = "checkbox"> C <br>
                <input type = "checkbox"> C++ <br>
                <input type = "checkbox"> PHP <br>
                <input type = "checkbox"> java <br>
<input type = "button" value = "Register">
</Form>
</body>
</html>
```

### XI. Result ( Output of code )      Registration Form

Enter name :	<input type="text"/>		
Enter marks :	<input type="text"/>		
Select gender:	<input type="radio"/> Male	Select Subject:	<input type="checkbox"/> C
	<input type="radio"/> Female		<input type="checkbox"/> C++
	<input type="radio"/> Other		<input type="checkbox"/> PHP
			<input type="checkbox"/> java
<input type="button" value="Register"/>			

## XII. Practical Related Questions:

Note: Below given are few sample questions for reference. Teacher must design more such questions so as to ensure the achievement of identified CO.

1. Write a use and syntax of following controls:

- a. Textbox
- b. Radio button
- c. Check box
- d. Buttons

(Space for Answer)

1]

a] Textbox - It is used to enter from user.

Syntax = <input type = "text" name = "usee">

b] Radio button :- It is used to select one option from multiple options.

Syntax = <input type = "radio" id = "r1" >

c] Checkbox - It is used to select more than one option from options.

Syntax = <input type = "checkbox" id = "c1" >

d] Buttons - It is used to create buttons for event handling.

Syntax = <input type = "button" >

## XII.Exercise

1. Develop web page and do validation using control text box, radio button, check box

(Space for Answer)

→①

```
<html>
<body>
<form>
Enter name = <input type = "text" id = "n1">
Enter marks = <input type = "text" id = "n2">
Enter age = <input type = "text" id = "n3">
Select gender = <input type = "radio" id = "n4">Male
                <input type = "radio" id = "n5">Female <br>
</form>
</body>
</html>

<?php
$name = $_GET['n1'];

```

## Web Based Application Development With PHP (22619)

```
$marks = $GET['n2'];
$age = $GET['n3'];
$gender = $GET['n4'];

if ($name == "") {
    echo "enter name";
}

if ($age < 0) {
    echo "enter valid age (integer)";
}

?>
```

### References/ Suggestions for Futher Reading.

1. <https://www.w3schools.com/php/default.asp>
2. <https://www.guru99.com/what-is-php-program.html>
3. <https://www.tutorialspoint.com/php/>
4. <https://tutorelehtml.com/en/php-tutorial-introduction/>
5. [www.tizag.com/phpT/](http://www.tizag.com/phpT/)
6. <https://books.goalkicker.com/PHPBook/>
7. <https://codecourse.com/watch/php-basics>

## Web Based Application Development With PHP (22619)

### Practical No: 11

Design a web page using following form controls;

- a. List box, b. Combo box, c. Hidden field box

### V Practical Significance:

In this practical we will learn how to design a web page using different controls.

### Relevant Program Outcomes (POs)

- **Basic Knowledge:** Apply knowledge of basic mathematics, sciences and basic engineering to solve the computer group related problem.
- **Discipline Knowledge:** Apply computer programming knowledge to solve the computer group related problems.
- **Experiments and practices:** Plan to perform experiments and practices to use the result to solve the computer group related problems.
- **Engineering tools:** Apply relevant Computer programming technologies and tools with an understanding of the limitations.
- **Individual and Teamwork:** Function effectively as a leader and the team member in diverse/multidisciplinary teams.
- **Communication:** Communicate effectively in oral and written form.

### VI Competency and Practical skills:

#### “Design a web page”

This practical is expected to learn following skill-

Design a web page using a.List box, b. Combo box, c. Hidden field box

### Relevant Course Outcome(s):

CO4. Use form controls with validation to collect user's input.

### VII Practical Outcome (PrOs) :

Write a program to design a web page using a.List box, b. Combo box, c. Hidden field box

### Relevant Affective domain related Outcome(s)

1. Work collaboratively in team.
2. Follow ethical practices

# Web Based Application Development With PHP (22615)

## X. Resources used:

Sr. no.	Name of Resources	Suggested Broad Specification	Quantity
1	Computer System with board specifications	Asus Ci-5 RAM - 16GB	1
2	Software	XAMPP Server	1
3	Any other resource used	Windows OS	1

## XI. Program Code: Teacher must assign a separate program statement to group of 3-4 students.

1. Write a program to design a form using list box, combo box and Hidden field box.

→

```

<html>
<body>
<form>

Destination : <select name = "dest">
<option value = "Paris" > Paris </option>
<option value = "tokyo" > Tokyo </option>
</select> <br>

Transportation : <select name = "tran">
<option value = "Plane" > Plane </option>
<option value = "train" > Train </option>
</select>

Accomodation : <input type = "text" >
<input type = "hidden" name = "date" value =
"2025-02-16" >

```

```
<button type = "submit"> Submit </button>  
</form>  
</body>  
</html>
```

### XII. Result (Output of code)

O/I/P :- Destination

Paris   
Tokyo

Transportation :

Plane

Submit

### XIII. Practical Related Questions:

Note: Below given are few sample questions for reference. Teacher must design more such questions so as to ensure the achievement of identified CO.

- Write a use and syntax of following controls:
- List box
- Hidden field box
- Combo box

( Space for Answer)

a] List box :- It is used to select multiple options from list.

Syntax = <select>  
<option value = "Op.1"> f1 </option>

</select>

b) Hidden field box - It allows user to store data from without displaying it to user.

Syntax - `<input type = "hidden">`

c) ComboBox - Allows user to select one option from prompt list.

<Syntax -

`<select>`

`<option> ----- </option>`

`</select>`

#### XIV. Exercise

- a. Write a program to design a form using list box, combo box.

( Space for Answer)



`<html>`

`<body>`

`<form>`

`<h2> Selection Example </h2>`

```
Select fruit: <select name="flower">
<option value="1">Mango </option>
<option value="2">Banana </option>
</select>

Select flower: <select name="fl">
<option value="2">Rose </option>
<option value="3">Mogra </option>
</select>

<input type="button" value="store">

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

#### References/ Suggestions for Futher Reading.

- b. <https://www.w3schools.com/php/default.asp>
- c. <https://www.guru99.com/what-is-php-program.html>
- d. <https://www.tutorialspoint.com/php/>
- e. <https://tutorialehtml.com/en/php-tutorial-introduction/>
- f. [www.tizag.com/phpT/](http://www.tizag.com/phpT/)
- g. <https://books.goalkicker.com/PHPBook/>
- h. <https://codecourse.com/watch/php-basics>

# Web Based Application Development With PHP (22619)

## Practical No: 12

Develop web page with data validation.

### I Practical Significance:

Form validation is required to prevent web form abuse by malicious users. Improper validation of form data is one of the main causes of security vulnerabilities. PHP provides some inbuilt function using these functions that input data can be validated.

### II Relevant Program Outcomes (POs)

- **Basic Knowledge:** Apply knowledge of basic mathematics, sciences and basic engineering to solve the computer group related problem.
- **Discipline Knowledge:** Apply computer programming knowledge to solve the computer group related problems.
- **Experiments and practices:** Plan to perform experiments and practices to use the result to solve the computer group related problems.
- **Engineering tools:** Apply relevant Computer programming technologies and tools with an understanding of the limitations.
- **Individual and Teamwork:** Function effectively as a leader and the team member in diverse/multidisciplinary teams.
- **Communication:** Communicate effectively in oral and written form.

### III Competency and Practical skills:

“Develop application using PHP”

- Develop web page with data validation

### IV Relevant Course Outcome(s):

CO4: Use form controls with validation to collect user's input.

### V Practical Outcome (PrOs) :

- Develop web page with data validation.

### VI Relevant Affective domain related Outcome(s)

1. Follow safety practices.
2. Practice good housekeeping
3. Demonstrate working as a leader/ a team member.
4. Follow ethical practices.

## Web Based Application Development With PHP (22619)

X. Program Code: Teacher must assign a separate program statement to group of 3-4 students.

- Write a simple PHP program to check that emails are valid.

```
<html> <body>
<form>
Enter_email = <input type = "text" id = "e1" >
<button type = "submit" > Validate </button>
</form>
</body> </html>
<?php
$email = $_GET['e1'];
$p = /([w-]+@[w-]+\.[a-zA-Z]{2,7})/i;
if ($p .match($email))
{
    echo "Valid_email";
}
else
{
    echo "Invalid_email";
}
?>
```

### XI. Result ( Output of code )

O/P:-  
Enter\_Email = Anu @ batari@gmail.com  
Valid\_email

### XII. Practical Related Questions:

Note: Below given are few sample questions for reference. Teacher must design more such questions so as to ensure the achievement of identified CO.

Enlist and explain different method provided by php for web page validation.

( Space for Answer)

Method for a Validation -

i) empty() - This method returns true if text filled with some value and return false when text field is empty.

2) is\_numeric() - This method ensures that the numeric or not and return true or false & vice-versa.

3) preg\_match() - This method specially used for validation is take "regular expression" as an argument varial in validation and find match.

4) filter\_var() - filter variable with specific filter this function filter variable in specific manner by using filter\_var() method in PHP. it is very useful method in php.

### VII. Resources Required

### VIII. Resources used:

Sr. no.	Name of Resources	Suggested Broad Specification	Quantity	Remark
1.	Computer System with board specifications	Asus (i-5) RAM - 16GB	1	-
2.	Software	XAMPP Server	1	-
3	Any other resource Used	Windows OS	1	-

IX Program Code: Teacher must assign a separate program statement to group of 3-4 students.

1. Write a program to create, modify and delete a cookie.

```

→ 1] <html><body>
      <form action = " " method = "Post" >
        cookie name : <input type = "text" name = "n1" >
        cookie value : <input type = "text" name = "n2" >
        <input type = "submit" name = "b1" value = "create" >
        <input type = "Submit" name = "b2" value = "modify" >
        <input type = "submit" name = "b3" value = "delete" >
      </form>
    </body></html>
<%php
  if (isset($_POST ['b1'])) {
    $name = $_POST ['n1'];
    $value = $_POST ['n2'];
    SetCookie ($name, $value, Home() + (86000 * 30), "/");
  }
%>
```

## Web Based Application Development With PHP (22619)

```
echo "Cookie created successfully";
else if($_POST['b2']){
$name = $_POST['n1'];
if(isset($_COOKIE[$name])){
setcookie($name, $value, time() + (86000 * 30));
```

### X Result ( Output of code )

Cookie name : <input type="text"/>
Cookie value : <input type="text"/>
<input type="button" value="Create"/> <input type="button" value="Modify"/> <input type="button" value="Delete"/>

### XVI. Practical Related Questions:

Note: Below given are few sample questions for reference. Teacher must design more such questions so as to ensure the achievement of identified CO.

- a. Define cookie.
- b. Define session.
- c. Write difference between cookie and session.

( Space for Answer)

a] Cookie - Cookie is small piece of data that web server sends to user's web browser. It has key-value pairs.

b] Session - Session is a way to store information to be used across multiple

```
echo "<b> Cookie modify successfully </b>";  
else if (isset ($_POST ['b3']))  
{  
    $name = $_POST ['n1'];  
    if (isset (isset ($_COOKIE[$name])))  
    {  
        setcookie ($name, " ", time () - 3600);  
        echo "<b> cookie deleted successfully </b>";  
    }  
  
else  
{  
    echo " cookie does not exist";  
}  
?>
```

- Pages during a user's visit to website.
- Session are stored on server side.

C]

Cookie	Session
- Cookie are stored on client side.	- Cookies are stored on browser side.
- Cookie can be persistent or session.	- Session data is temporary.
- Cookie is less secure.	- Session is more secure.
- Create cookie using \$_cookie variable.	- Create Session using \$_Session variable.

## XI Exercise

Write a program to start and destroy a session.

( Space for Answer)

```
<?php  
session_start();  
if(isset($_POST['set-session']))  
{$key = $POST['n1'];}
```

## Web Based Application Development With PHP (22619)

```
$value = $_POST['n2'];
```

```
if($_SESSION[$key] == $value)
```

```
echo "session variable '$key' is set  
successfully";
```

```
}
```

```
else if(isset($_POST['b2']))
```

```
{ session_unset();
```

```
session_destroy();
```

```
echo "session destroy successfully";
```

```
}
```

```
?>
```

```
<html>
```

```
<body>
```

```
<form action = "" method = "Post">
```

```
session.key : <input type = "text" name = "n1"><br>
```

```
Sessionkey : <input type = "text" name = "n2"><br>
```

```
<input type = "submit" value = "set" name = "s">
```

```
<input type = "Submit" value = "destroy" name = "d">
```

```
</form>
```

```
</body>
```

```
</html>
```

# Web Based Application Development With PHP (22619)

## Practical No: 14

**Write a PHP program for sending and receiving plain text message (e-mail).**

### I Practical Significance:

Students will be able to send and receive e-mail using PHP.

### II Relevant Program Outcomes (POs)

- **Basic Knowledge:** Apply knowledge of basic mathematics, sciences and basic engineering to solve the computer group related problem.
- **Discipline Knowledge:** Apply computer programming knowledge to solve the computer group related problems.
- **Experiments and practices:** Plan to perform experiments and practices to use the result to solve the computer group related problems.
- **Engineering tools:** Apply relevant Computer programming technologies and tools with an understanding of the limitations.
- **Individual and Teamwork:** Function effectively as a leader and the team member in diverse/multidisciplinary teams.
- **Communication:** Communicate effectively in oral and written form.

### III Competency and Practical skills:

**“Develop application to send and receive e-mail using PHP”**

This practical is expected to develop the following skills.

1. Develop a program to send e-mail.
2. Develop a program to receive e-mail.

### IV Relevant Course Outcome(s):

CO4 Use form controls with validation to collect user's input.

### V Practical Outcome (PrOs) :

1. Develop a program to send e-mail.
2. Develop a program to receive e-mail.

### VI Relevant Affective domain related Outcome(s)

1. Work collaboratively in team.
2. Follow ethical practices.

## Web Based Application Development With PHP (22619)

### VII. Resources Required

### IX. Resources used:

Sr. no.	Name of Resources	Suggested Broad Specification	Quantity	Remark
1	Computer System with board specifications	Asus (i-5) RAM 16 GB	1	-
2	Software	XAMPP Server	1	-
3	Any other resource used	Windows OS	1	-

X. Program Code: Teacher must assign a separate program statement to group of 3-4 students.

Write a program to send and receive mail using PHP.

```

<html>
  <body>
    <?php
      $to = "AnushkaDalavi@gmail.com";
      $subject = "Test email using PHP";
      $msg = "Test is Demo message";
      $headers = "from: AnushkaDalavi@gmail.com";
      $retval = mail ($to, $subject, $msg, $headers);
      var_dump ($retval);
      if ($retval == true)
      {
        echo "<br>message sent successfully";
      }
      else
      {
        echo "<br>message could not sent";
      }
    </?php>

```

## Web Based Application Development With PHP (22619)

}

?>

</body>

</html>

### XI. Result (Output of code)

O/P -

Message Sent Successfully.

### XII. Practical Related Questions:

Note: Below given are few sample questions for reference. Teacher must design more such questions so as to ensure the achievement of identified CO.

1. Explain the use of mail() function in PHP.
2. Write a simple program to check that emails are valid.

(Space for Answer)

1] mail() - Function in PHP is used to sendmail from web browser. It is simply way to send email directly from your PHP script without needing use

## Web Based Application Development With PHP (22619)

Syntax -

```
bool mail ( string $to, string $subject,  
            string $message, string $additional  
            headers );
```

2]

```
<html>
```

```
<body> <form action = " " method = "post" >  
Email: <input type = "text" name = "n1"  
required>
```

```
<input type = "Submit" value = "Validate" >
```

```
</form>
```

```
<?php // PHP code starts here
```

```
$email = $_POST['n1'];
```

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

```
echo "Email $email is valid";
```

```
}
```

```
else
```

```
{
```

```
echo "Email $email is not valid";
```

```
}
```

```
?>
```

```
<body>
```

```
</html>
```

## Web Based Application Development With PHP (22619)

### XI. Exercise

1. Describe mail function parameter in detail.  
(Space for Answer)

]]

mail() -

Syntax -

```
bool mail (string $to, string $sub,  
           string $msg, string $additional-  
           header)
```

Parameters :

- 1) \$to - specifies the recipient's email address.
- 2) \$sub - Specify the subject of email.
- 3) \$msg - Specify the body of email.
- 4) \$additional\_header (optional) - Specifies the additional header such as from, cc and bcc, this parameter is optional.

## Web Based Application Development With PHP (22619)

### Practical No: 15

Develop a simple application to -

- a) Enter data into database
- b) Retrieve and present data from database

#### I Practical Significance:

In PHP using MYSQL data can be enter into database . Also we can retrieve and present data from database.

#### II Relevant Program Outcomes (POs)

- **Basic Knowledge:** Apply knowledge of basic mathematics, sciences and basic engineering to solve the computer group related problem.
- **Discipline Knowledge:** Apply computer programming knowledge to solve the computer group related problems.
- **Experiments and practices:** Plan to perform experiments and practices to use the result to solve the computer group related problems.
- **Engineering tools:** Apply relevant Computer programming technologies and tools with an understanding of the limitations.
- **Individual and Teamwork:** Function effectively as a leader and the team member in diverse/multidisciplinary teams.
- **Communication:** Communicate effectively in oral and written form.

#### III Competency and Practical skills:

“Develop application using PHP”

Write a PHP program to -

- a. Enter data into database
- b. Retrieve and present data from database

#### IV Relevant Course Outcome(s):

CO5 : Perform database operations in PHP.

## Web Based Application Development With PHP (22619)

```

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

if(mysqli_num_rows($result) > 0) {
    // output data of each row
    while ($row = mysqli_fetch_assoc($result)) {
        echo "id: " . $row["id"] . ", Name: " . $row["firstname"] . " " . $row["lastname"];
    }
} else {
    echo "0 results";
}
Mysqli_close ($conn);
?>

```

### VII. Resources Required

Sr. no.	Name of Resources	Suggested Broad Specification	Quantity	Remark
1	Hardware: Computer System	Computer (i3-i5 preferable), RAM minimum 2 GB and onwards	As per batch size	For all Experiments
2	Operating System	Windows/ Linux		
3	Software	PHP 7.3.12 or above		

### IX. Resources used:

Sr. no.	Name of Resources	Suggested Broad Specification	Quantity	Remark
1	Computer System with board specifications	Asus (i-5) RAM - 16GB	1	-
2	Software	XAMPP Server	1	-
3	Any other resource used	Windows OS	1	-

### X. Program Code: Teacher must assign a separate program statement to group of 3-4 students.

Develop a program to retrieve and present data from database.

```

< ?php
$server = "localhost";
$user = "root";
$pass = " ";

```

## Web Based Application Development With PHP (22619)

```
$database = "Sql";
$wn = new mysqli ($server, $usee, $pass,
$database);
if ($con = connect_error)
{
    echo "Connection failed";
}
$query = "Select * from employee";
$result = $conn->query ($query);
if ($result->num_rows > 0)
{
    while ($row = $result->fetch_assoc())
    {
        echo "Id : " . $row['id'] . "<br>";
        echo "name : " . $row['name'] . "<br>";
        echo "salary : " . $row['salary'];
    }
}
else { echo "0 result"; }
$conn->close();
?>
```

### XI. Result ( Output of code )

O/P:-

Id : 107

Name : Anushka

Salary : 50000

## Web Based Application Development With PHP (22619)

### **Practical Related Questions:**

- Note:** Below given are few sample questions for reference. Teacher must design more such questions so as to ensure the achievement of identified CO.
1. What is MYSQL? How it is used in PHP?
  2. How to create database in MYSQL?
  3. Name two functions of PHP to connect MYSQL database.
  4. Explain mysqli\_connect() function.

(Space for Answer)

1]

→ MySQL is a database system used on web with PHP, we can connect and manipulate database using mysql.

2]

→ To create database "CREATE DATABASE" statement is used.

Syntax:

Create Database\_name

3]

→ Functions used to connect to mysql database  
1) Connect()

Syntax:-

Connect (hostname, username, pass, database  
port, socket)

## 2} Mysqli()

Syntax -

mysqli (host, username, pass, database)

4]

→ mysqli\_connect() → This method is used to connect to mysqli database.

Syntax -

mysql\_connect (host, uname, pass, database)

Parameters :-

1} host = Name of the host

2} uname = Username to access database

3} Pass = Password accessing database

4} database = Name of database

## Web Based Application Development With PHP (22619)

### XII. Exercise

Write a PHP code to insert data into employee table.  
(Space for Answer)

```
→ <?php  
$con = new mysqli ("localhost", "root", "", "demo");  
if ($conn->connect_error)  
{  
echo ("Connection failed: " . $conn->connect_error);  
}  
$sql = "insert into employee (id, name, salary)  
values (101, 'Anushka', 50000);  
if ($conn->query ($sql) == True){  
echo "new record created successfully";  
}  
else{  
echo "error: " . $conn->error;  
}  
$conn->close();  
?>
```

# Web Based Application Development With PHP (22619)

## Practical No: 16

**Develop a simple application to Update, Delete table data from database.**

### I Practical Significance:

Data from table can be updated or deleted using MYSQL.

### II Relevant Program Outcomes (POs)

- **Basic Knowledge:** Apply knowledge of basic mathematics, sciences and basic engineering to solve the computer group related problem.
- **Discipline Knowledge:** Apply computer programming knowledge to solve the computer group related problems.
- **Experiments and practices:** Plan to perform experiments and practices to use the result to solve the computer group related problems.
- **Engineering tools:** Apply relevant Computer programming technologies and tools with an understanding of the limitations.
- **Individual and Teamwork:** Function effectively as a leader and the team member in diverse/multidisciplinary teams.
- **Communication:** Communicate effectively in oral and written form.

### III Competency and Practical skills: "Develop application using PHP"

- Write a PHP program to Update, Delete table data from database.

### IV Relevant Course Outcome(s):

CO5: Perform database operations in PHP.

### V Practical Outcome (PrOs) :

1. Write a PHP program to-
  - Update table data from database.
  - Delete table data from database.

### VI Relevant Affective domain related Outcome(s)

1. Follow safety practices.
2. Practice good housekeeping
3. Demonstrate working as a leader/ a team member.
4. Follow ethical practices.

## Web Based Application Development With PHP (22619)

IX. Program Code: Teacher must assign a separate program statement to group of 3-4 students.

1. Write a PHP program to Update table data from student database.

→ <?php

```
$con = new mysqli_connect("localhost", "root", "sql");
if ($con->connect_error)
{
    die ("Connection failed");
}

$sql = "update student set name = "Anushka",
       where rollno = "58";
if ($con->query ($sql) == True)
{
    echo "Record updated successfully";
}
else
{
    echo "error:" $con->error;
}
$con->close();
?>
```

### X. Result (Output of code)

O/P:-

Record Updated Successfully

### X1. Practical Related Questions:

Note: Below given are few sample questions for reference. Teacher must design more such questions so as to ensure the achievement of identified CO.

- 1 Write a syntax for update and delete data in PHP.

(Space for Answer)



1 • Update

Syntax -

Update...Table\_name...SET...column\_name=  
New\_value...where...condition

2 delete

Syntax -

Delete...from...Table\_name...where...condition

XI. Exercise

1. Write a PHP program to Update table data from student database.

(Space for Answer)

1]

<?php

\$con = new mysqli ("localhost", "root", "", "student");

\$ & (\$con->connect\_error):

{

die ("connection Failed");

}

\$sql = "update student SET name = "Anushka"

where roll\_no = '58"

if (\$con->query (\$sql) == True)

{

or echo "Record Updated Successfully";

}

else

{

echo "error:", \$con->error;

}

\$con->close();

?>