CO-2 Apply In-Built and User defined functions in PHP scripts.

PRACTICAL LIST - 2

- **2.1** Write PHP script to demonstrate Variable function.
- **2.2** Write a PHP script to implement my_gettype () using various type testing functions covered in class.
- **2.3** Write PHP script to demonstrate use of various string handling function.
- **2.4** Write a PHP script to demonstrate use of various str_replace ().
- **2.5** Write a PHP script to Demonstrate implode (), explode () to convert array into string and string into array.
- **2.6** Write a PHP script to demonstrate use of date () with all format specifications.
- **2.7** Write a PHP script to Demonstrate getdate () and checkdate().
- **2.8** write a PHP script to Demonstrate time() and mktime()(use my birthdate).
- **2.9** Write PHP script to demonstrate all Math functions.
- **2.10** Write PHP script to demonstrate Array functions.
- **2.11** Write a PHP script to demonstrate sort (), asort (), ksort () on associative array.
- **2.12** Write PHP script to demonstrate use of fopen (), fread (), fwrite () and fclose () File functions.
- **2.13** Write a PHP script to count no. of words in a file using file and string handling functions.

- **2.1** Write PHP script to demonstrate Variable function.
- **2.2** Write a PHP script to implement gettype() using various type testing functions covered in class.

Software Required: Notepad, WordPad, Notepad++, Dreamweaver, Wamp/Xampp

Pre-requisite: Basic knowledge of editor

Theory/Logic:

***** VARIABLE FUNCTION:

☐ It allows you to manipulate variables such as type of variable, set type, display value.

| Following table | shows variable | function with its | s syntax and | description. |
|-----------------|----------------|-------------------|--------------|--------------|
| | | | | |

| Name | Syntax | Description |
|------------|-------------------|--|
| gettype() | gettype(variable | It accepts variable as an argument and returns the |
| | name); | data type of that variable. |
| settype() | settype(Variable | It accepts a variable as an argument and set it to |
| | name, Data type); | specific data type passed as an argument. |
| isset() | isset(Variable | It accepts a variable as an argument and |
| | Name); | determines whether the variable exists and it is |
| | | assigned value or not. |
| unset() | unset(Variable | It accepts a variable as an argument and destroys |
| | Name); | that variable from memory. |
| strval() | strval(variable | It accepts variable as an argument and returns the |
| | name); | string value of that variable. |
| floatval() | floatval(variable | It accepts variable as an argument and returns the |
| | name); | Float value of that variable. |
| intval() | intval(variable | It accepts variable as an argument and returns the |
| | name); | Integer value of that variable. |
| print_r() | print_r(variable | It accepts variable as an argument and display it in |
| | name); | a human readable format. |

Program/Solution:

```
PR-2.1 file code: -
```

```
<?php
$a=40;
$str="Abhi";
$check="true";
echo "gettype() Function Example: -<br>";
echo "Data type of $a :".gettype($a)."<br>";
echo "Data type of $str :".gettype($str)."<br>";
echo "Data type of $check :".gettype($check)."<br>";
$b=40.19;
```

```
echo "<br/>br>settype() Function Example: -<br/>';
echo "Before converting, Data type of $b:".gettype($b)."<br>";
settype($b,"integer");
echo "After converting, Data type of $b:".gettype($b)."<br>";
echo "Before converting, Data type of $a:".gettype($a)."<br>";
settype($a,"string");
echo "After converting, Data type of $a:".gettype($a)."<br>";
echo "Before converting, Data type of $a:".gettype($a)."<br>";
settype($a,"double");
echo "After converting, Data type of $a:".gettype($a)."<br>";
echo "<br>set() Function Example: -<br>";
$n:
if(isset($a))
  echo "Value is assigned to variable 'a' and value is: $a<br>";
}
else
  echo "Value is not assigned to variable 'a'.<br>";
if(isset($n))
  echo "Value is assigned to variable 'n' and value is: $n<br>";
  echo "Value is not assigned to variable 'n'.<br>";
if(isset($str))
  echo "Value is assigned to variable 'str' and value is: $str<br>";
else
  echo "Value is not assigned to variable 'str'.<br>";
echo "<br/>br>usset() Function Example: -<br/>';
echo "Before unset, Value of variable 'a' is :$a";
unset($a):
echo "After unset, Value of variable 'a' is :$a <br>";
echo "Before unset, Value of variable 'b' is :$b";
unset($b);
echo "After unset, Value of variable 'b' is :$b <br>";
echo "Before unset, Value of variable 'str' is :$str";
unset($str);
echo "After unset, Value of variable 'str' is :$str<br>";
echo "<br>strval() Function Example: -<br>";
a=40:
echo "Integer value:$\$a and String value:\".strval($a).\"<br>";
$str="40.19";
echo "Float value:$str and String value:".strval($str)."<br>";
echo "Boolean value:$check and String value:".strval($check)."<br>";
echo "<br/>br>floatval() Function Example: -<br/>';
a=40:
echo floatval($a)."<br>";
$str=40.19;
echo floatval($str)."<br>";
```

```
n=72.40:
  echo floatval($n)."<br>";
  echo "<br/>br>intval() Function Example: -<br/>';
  a=40:
  echo intval($a)."<br>";
  $str=40.19;
  echo intval($str)."<br>";
  n=72.40:
  echo intval($n)."<br>";
  echo "<br/>br>print r() Function Example: -<br/>-;
  $bikes=array("Yamaha","Hero","Royal Enfield");
  print_r($bikes);
  echo "<br>";
  $names=array("1"=>"Abhishek","2"=>"Dhruv","3"=>"Nilesh");
  print_r($names);
?>
PR-2.2 file code: -
<?php
  function my_getype($a)
    switch($a)
      case is_null($a):
        return "1<br>";
        break;
      case is_bool($a):
        return "Boolean Value<br>";
        break;
      case is int($a):
        return "Integer<br>";
        break;
      case is_double($a):
        return "Double<br>";
        break:
      case is_string($a):
        return "String<br>";
        break:
      case is_object($a):
        return "Object<br>";
        break:
      case is array($a):
        return "Array<br>";
        break:
      case is_file($a):
        return "File<br>";
        break:
      case is_resource($a):
        return "Resource<br>";
```

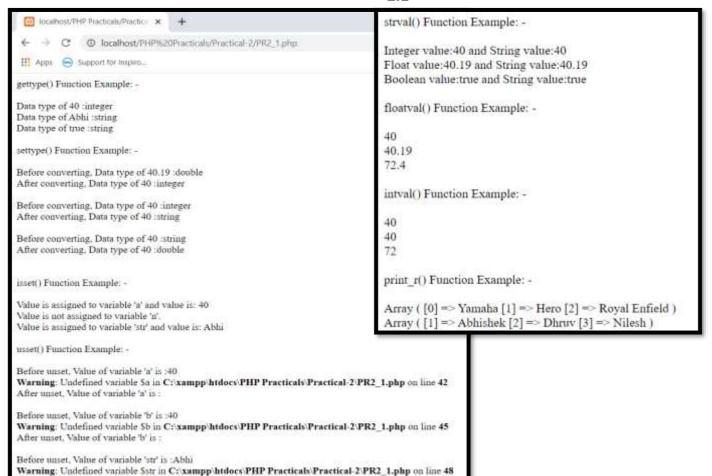
?>

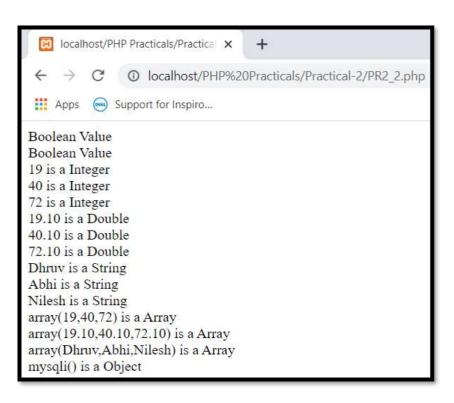
```
break:
    default:
      return "Null<br>";
  }
}
echo my_getype(null);
echo my_getype(true);
echo "19 is a ". my_getype(19);
echo "40 is a ". my_getype(40);
echo "72 is a ". my_getype(72);
echo "19.10 is a ".my_getype(19.10);
echo "40.10 is a ". my getype(40.10);
echo "72.10 is a ".my_getype(72.10);
echo "Dhruv is a " . my_getype("Dhruv");
echo "Abhi is a " . my_getype("Abhi");
echo "Nilesh is a ". my_getype("Nilesh");
echo "array(19,40,72) is a ".my_getype(array(19,40,72));
echo "array(19.10,40.10,72.10) is a ".my_getype(array(19.10,40.10,72.10));
echo "array(Dhruv, Abhi, Nilesh) is a ". my_getype(array("Dhruv", "Abhi", "Nilesh"));
// $a=fopen("a.txt","w+");
//echo "file a is a " . my_getype($a);
echo "mysqli() is a ". my getype(new mysqli());
```

Output:

After unset, Value of variable 'str' is:

2.1





| I.T. Dept | Year 2021 | 3361603 (WEB DESINGING USING PHP AND MYSQL) |
|---------------------------------|------------------------|---|
| Questions: | | |
| 1. Describe use of isser | t () function in PHP. | |
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| 2. Describe use of unse | et () function in PHP. | |
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- **2.3** Write PHP script to demonstrate use of various string handling function.
- **2.4** Write a PHP script to demonstrate use of various str_replace ().
- **2.5** Write a PHP script to demonstrate implode (), explode () to convert array into string and string into array.

Software Required: Notepad, WordPad, Notepad++, Dreamweaver, Wamp/Xampp

Pre-requisite: Basic knowledge of editor

Theory/Logic:

☐ STRING FUNCTION: -

- ☐ It allows you to manipulate String in Various Ways such as type of variable, set type, display value.
- ☐ Following table shows string function with its syntax and description.

| Name | Syntax | Description |
|---------------|---|---|
| chr() | chr(ASCII-Value); | Accepts ASCII value as an argument and Returns a character value of it. |
| ord() | ord(string); | Accepts string as an argument and Returns an ASCII Value of first char of that strings an argument. |
| strtolower () | strtolower(string); | Accepts string as an argument and converts all the characters of the specified string into lowercase letters. |
| strtoupper () | strtoupper(string); | Accepts string as an argument and converts all the characters of the specified string into uppercase letters. |
| strlen() | strlen(string); | Accepts string as an argument and returns an integer value indicating the length of a string. |
| ltrim() | <pre>ltrim(string [, predefine character]);</pre> | Accepts string as an argument and removes white spaces from left side of the string. |
| rtrim() | rtrim(string [, predefine character]); | Accepts string as an argument and removes white spaces from right side of the string. |
| trim() | trim(string [, predefine character]); | Accepts string as an argument and removes white spaces from both sides of the string. |
| substr() | substr(string ,st,[,number]); | Accepts string as an argument and returns specific part of the string. |
| strcmp() | strcmp(string 1 ,string 2); | Accepts two strings as an argument and compares that strings. |
| strpos() | strpos(Original | Accepts two strings as an argument and returns |

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| | | .1 |
|--------------|----------------------|--|
| | string ,Search | the position of the first occurrence of a search |
| | string [, Start]); | string inside another string. |
| strstr() | strstr(Original | Accepts two strings as an argument and searches |
| | string ,Searchstring | for the first occurrence of a search string inside |
| |); | original string. |
| str_replace(| str_replace(Find- | Accepts a string as an argument and Replace |
|) | character, Replace- | specified Characters of the string with another |
| | character, string); | Specified characters. |
| strrev() | strrev(string); | Accepts string as an argument and Reverses that |
| | | string. |
| echo() | echo (string); | Accepts one or more strings as an argument and |
| | | Display one or more strings on the browser. |
| Print() | print (string); | Accepts one or more strings as an argument and |
| | | Display one or more strings on the browser. |

Program:-

```
Pr-2.3 file code: -
<?php
  echo "chr(40) is ". chr(40)." <br>";
 echo "chr(75) is ". chr(75)."<br>";
 echo "chr(97) is ". chr(97)." <br>";
 echo "ord(Abhi) is ". ord("Abhi")."<br>";
 echo "ord(Dhruv) is ". ord("Dhruv")."<br>";
 echo "ord(]abhi) is ". ord("]abhi")."<br>";
 echo "strtolower(ABHI) is ". strtolower("ABHI")."<br>";
 echo "strtolower(DhRuV) is ". strtolower("DhRuV")."<br>";
 echo "strtolower(abhI) is ". strtolower("abhI")."<br>";
 echo "strtoupper(abhi) is ". strtoupper("abhi")."<br>";
 echo "strtoupper(dHrUv) is ". strtoupper("dHrUv")."<br>";
 echo "strtoupper(aBhI) is ". strtoupper("aBhI")."<br/>';
  echo "strlen(abhi) is ". strlen("abhi")."<br>";
 echo "strlen(abhishek) is ". strlen("abhishek")."<br>";
 echo "strlen(nalla abhishek) is ". strlen("nalla abhishek")."<br>";
 echo "ltrim(
                abhi) is ". ltrim(" abhi")."<br>";
                abh i) is ". ltrim("
  echo "ltrim(
                                      abh i")."<br>";
                ab hi) is ". ltrim("
                                      ab hi")."<br>";
 echo "ltrim(
                      ) is ". rtrim("abhi
                                           ")."<br>":
 echo "rtrim(abhi
                         ) is ". rtrim("abh i
 echo "rtrim(abh i
                                                  ")."<br>";
 echo "rtrim(ab hi
                       ) is ". rtrim("ab hi
                                               ")."<br>";
                                              ")."<br>";
                      ) is ". trim("
 echo "trim( abhi
                                      abhi
                abh i ) is ". trim("
                                                  ")."<br>";
 echo "trim(
                                        abh i
                          ) is ". trim("
                                                  ")."<br>";
 echo "trim(
                ab hi
                                        ab hi
 echo "substr(ABHISHEK,4) is ". substr("ABHISHEK",4)."<br>";
 echo "substr(Dhruvpuri,4,5) is ". substr("Dhruvpuri",4,5)."<br>";
 echo "substr(Nilesh) is ". substr("Nilesh",6)."<br/>';
 echo "strcmp(Abhi,Dhruv) is ". strcmp("Abhi","Dhruv")." //-1 means S2 greater than S1.<br/>strcmp("Abhi","Dhruv")." //-1
 echo "strcmp(Kaushik,Dhruv) is ". strcmp("Kaushik","Dhruv")." //1 means S1 greater than S2.<br/>
```

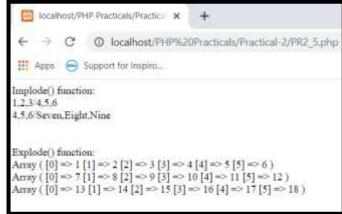
```
echo "strcmp(abhi,Abhi) is ". strcmp("abhi","Abhi")." //case sensitiver.<br>";
 echo "strmcasecmp(abhi,Abhi) is ". strcasecmp("abhi","Abhi")." //0 means s1 same as s2.<br/><br/>";
 echo "strpos(Abhishek,h) is ". strpos("Abhishek",'h')."<br>";
 echo "strpos(Dhruvpuri,i) is ". strpos("Dhruvpuri",'i')."<br>";
 echo "strpos(Kaushik,shik) is ". strpos("Kaushik", "shik")." <br/> ";
 echo "strstr(Kaushik,shik) is ". strstr("Kaushik", "shik"). "<br>";
 echo "strstr(Abhishek,bhi) is ". strstr("Abhishek","bhi")."<br>";
 echo "strstr(Dhruvpuri,puri) is ". strstr("Dhruvpuri","puri")."<br>";
 echo "strrev(Kaushik) is ". strrev("Kaushik")."<br>";
 echo "strrev(Abhishek) is ". strrev("Abhishek")."<br>";
 echo "strrev(Dhruvpuri) is ". strrev("Dhruvpuri")."<br>";
Pr-2.4 file code: -
<?php
 echo "str_replace(shek,nalla,Abhishek) is ". str_replace("shek","nalla","Abhishek")."<br>";
 echo "str replace(shek,nalla,Abhishek) is ". str replace("puri","Abhi","Dhruvpuri")."<br/>
 $a=array("Hello","world");
 $b=array("Welcome");
 $c=array("Hello","World","?");
 print_r(str_replace($a,$b,$c));
?>
Pr-2.5 file code: -
<?php
 echo "Implode() function:<br>";
 a=array(1,2,3);
 $b=array(4.5.6):
 $c=array('1st'=>'Seven','2nd'=>'Eight','3rd'=>'Nine');
 echo implode(',',$a),'/',implode(',',$b)."<br>";
 echo implode(',',$b),'/',implode(',',$c)."<br>";
 echo "<br>";
 echo "Explode() function:<br>";
 $str1='1,2,3,4,5,6';
 print_r(explode(',', $str1));
 echo "<br>";
 $str2='7,8,9,10,11,12';
 print_r(explode(',', $str2));
 echo "<br>";
 $str3='13.14.15.16.17.18';
 print_r(explode('.', $str3));
 echo "<br>";
?>
```

Output:

2.3







| <u>I.T. Dept</u> | Year 2021 | 3361603 (WEB DESINGING USING PHP AND MYSQL) |
|-----------------------------|----------------------------|---|
| Questions: | Teur 2021 | 3301003 (WED DESINGING OSHIG THE AND WISQE) |
| | substr () function in PHP. | |
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| 2. Describe use of e | echo () function in PHP. | |
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- **2.6** Write a PHP script to demonstrate use of date () with all format specifications.
- **2.7** Write a PHP script to Demonstrate getdate () and check date ().
- **2.8** Write a PHP script to Demonstrate time () and mktime () (use my birth date).

Software Required: Notepad, WordPad, Notepad++, Dreamweaver, Wamp/Xampp **Pre-requisite:** Basic knowledge of editor

Theory/Logic:

□ DATE FUNCTION:

- ☐ It allows you to display, format and manipulate the date and time on server.
- ☐ Following table shows date function with its syntax and description.

| Name | Syntax | Description |
|------------|--------------------------------|--|
| date() | date(format, | Allows you to format and display current date and |
| | timestamp); | time of web server. |
| getdate() | <pre>getdate(timestamp);</pre> | Returns an array which contains following |
| | | information of current UNIX timestamp. |
| set date() | set date (year, month, | It will set the year, month and day as per passing |
| | day); | parameters from set date () function. |
| check | check date(month | Accepts month, day & year of date as an argument |
| date() | ,day, year); | and determines specified date is valid or not. |
| time() | time(); | Returns current UNIX timestamp. |
| mktime() | mktime(hour, minute, | Returns current UNIX timestamp if no parameter |
| | second, month, day, | is passed. |
| | year, is_dst); | |

Program/Solution:-

Pr-2.6 file code: -

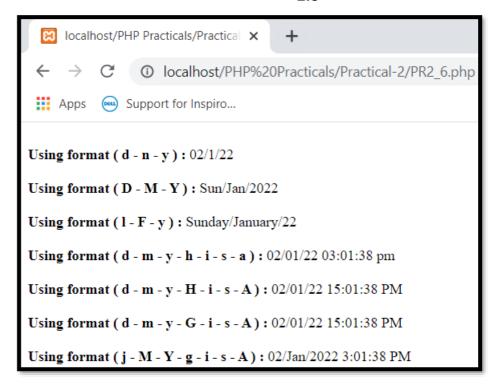
```
<?php
    echo "<b><br>Using format ( d - n - y ) : </b>".date("d/n/y")."<br><br>";
    echo "<b>Using format ( D - M - Y ) : </b>".date("D/M/Y")."<br><br>";
    echo "<b>Using format ( l - F - y ) : </b>".date("l/F/y")."<br><br>";
    echo "<b>Using format ( d - m - y - h - i - s - a ) : </b>".date("d/m/y h:i:s a")."<br><br/>";
    echo "<b>Using format ( d - m - y - H - i - s - A ) : </b>".date("d/m/y H:i:s A")."<br/>br><br/>";
    echo "<b>Using format ( d - m - y - G - i - s - A ) : </b>".date("d/m/y G:i:s A")."<br/>br><br/>";
    echo "<b>Using format ( j - M - Y - g - i - s - A ) : </b>".date("d/M/Y g:i:s A")."<br/>br><br/>";

Pr-2.7 file code: -
<?php
    echo "getdate()</pre>
Funcation :<br/>br>";
```

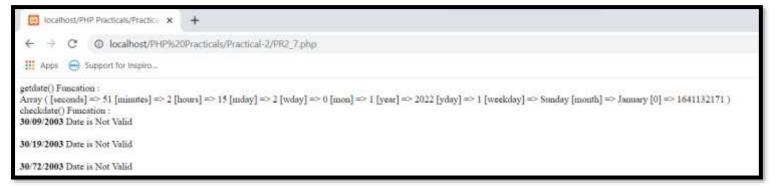
```
print_r(getdate());
 echo "<br/>br>checkdate() Funcation :<br/>';
 if(checkdate(30,9,2003)){
   echo "<b>30/09/2003</b> Date is Valid";
 }
 else{
   echo "<b>30/09/2003</b> Date is Not Valid";
 echo "<br><";
 if(checkdate(30,19,2003)){
   echo "<b>30/19/2003</b> Date is Valid";
 }
 else{
   echo "<b>30/19/2003</b> Date is Not Valid";
 }
 echo "<br>";
 if(checkdate(30,72,2003)){
   echo "<b>30/70/2003</b> Date is Valid";
 }
 else{
   echo "<b>30/72/2003</b> Date is Not Valid";
?>
Pr-2.8 file code: -
<?php
 echo "<h1> time()</h1>";
 echo "Time is:";
 print r(time());
 echo "</br>";
 echo "</br>";
 $nextWeek=time()+(7*24*60*60);//7days;24hours;60mins;60secs
 echo'Today Date: '.date('Y-m-d')."<br>";
 echo'Next Week Date: '.date('Y-m-d',$nextWeek)."<br/>';//orusingstrtotime():
 echo'Next-to-Next Week Date: '.date('Y-m-d',strtotime('+2week'))."<br>";?>
 <hr>
 <?php
 echo "<h1> mktime()</h1>";
 echo "GMT TIME IS".mktime(1,1,1,1,1,2003)."<br>";
 echo date("M-d-Y",mktime(0,0,0,9,30,2003))."<br>";
 echo date("M-d-Y",mktime(0,0,0,21,11,1998));
?>
```

Output:

2.6



2.7





| I.T. Dept | Year 2021 | 3361603 (WEB DESINGING USING PHP AND MYSQL) |
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| estions: - | | · · · · · · · · · · · · · · · · · · · |
| . How to find curre | nt date and time? | |
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| Describe use of m | ktime () function in PHP. | |
| . Describe use of the | Keinie () runecion in 1 iii . | |
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2.9 Write PHP script to demonstrate all Math functions.

Software Required: Notepad, WordPad, Notepad++, Dreamweaver, Wamp/Xampp

Pre-requisite: Basic knowledge of editor

Theory/Logic:

□ MATH FUNCTION:

- ☐ It allows you to perform various operations on numeric values.
- ☐ Following table shows math function with its syntax and description.

| Name | Syntax | Description |
|---------|---------------------------------|---|
| abs() | abs(Number); | Accepts numbers an argument and Returns the absolute value of a number. |
| ceil() | ceil(Number); | Accepts number as an argument and Returns the number which is rounded upwards to the nearest integer value. |
| floor() | floor(Number); | Accepts number as an argument and Returns the number which is rounded downwards to the nearest integer value. |
| round() | round(Number [,Precision]); | Accepts number as an argument and Returns the number rounded to the nearest integer. |
| fmod() | fmod(Number 1,Number2); | Accepts two numbers as an argument and divides num1 by num2 and returns reminder of division. |
| min() | min(Number 1,Number 1,Number2); | Accepts two numbers as an argument and returns lowest value among them. |
| max() | max(Number 1,Number2); | Accepts two numbers as an argument and returns highest value among them. |
| pow() | pow(Number 1,Number2); | Accepts two numbers as an argument and raises num1 to the power of num2 and returns result. |
| sqrt() | sqrt(Number); | Accepts a number as an argument and Returns square root of a number. |
| rand() | rand([min],[max]); | Generate a random integer between the ranges of 0 to ROUND_MAX. |

Program/Solution:

```
Pr-2.9 file code: -
```

<?php

echo "<h1> Math functions</h1>";

echo "<h3> abs() </h3>";

echo "<h4> Before function:</h4>";

a=-40.5;

b=-19.7;

c=-72;

Page |

```
echo "$a"."</br>";
echo "$b"."</br>";
echo "$c";
echo "<h4> After function</h4>";
echo abs($a)."</br>";
echo abs($b)."</br>";
echo abs($c);
echo "<h3> ceil() </h3>";
echo "<h4> Before function:</h4>";
$a1=40.5;
$b1=-19.7;
c1=0.18;
echo "$a1"."</br>";
echo "$b1"."</br>";
echo "$c1";
echo "<h4> After function:</h4>";
echo ceil($a1)."</br>";
echo ceil($b1)."</br>";
echo ceil($c1);
echo "<h3> floor() </h3>";
echo "<h4> Before function:</h4>";
$a2=40.5;
$b2=-19.7;
c2=0.72:
echo "$a2"."</br>";
echo "$b2"."</br>";
echo "$c2";
echo "<h4> After function:</h4>";
echo floor($a2)."</br>";
echo floor($b2)."</br>";
echo floor($c2);
echo "<h3> round() </h3>";
echo "<h4> Before function:</h4>";
$a3=40.23;
$b3=19.75;
c3=0.18;
echo "$a3</br>":
echo "$b3</br>";
echo "$c3";
echo "<h4> After function:</h4>";
echo round($a3)."</br>";
echo round($b3)."</br>";
echo round($c3);
echo "<h3> fmod() </h3>";
echo "<h4> Before function:</h4>";
$a4=40.23;
$b4=19.75:
d=18:
```

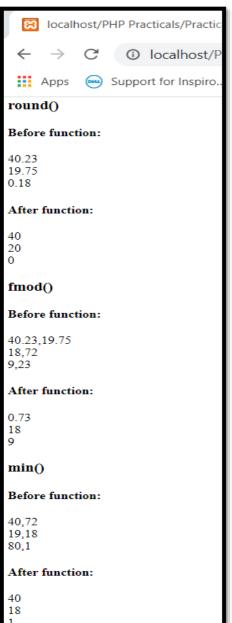
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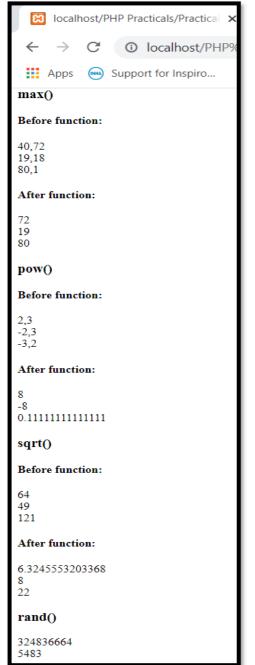
```
e=72:
$f=9;
g=23;
echo "$a4,$b4</br>";
echo "$d,$e</br>";
echo "$f,$g</br>";
echo "<h4> After function:</h4>";
echo fmod($a4,$b4)."</br>";
echo fmod($d,$e)."</br>";
echo fmod($f,$g)."</br>";
echo "<h3> min() </h3>";
echo "<h4> Before function:</h4>";
$a5=40;
$b5=72:
$d2=19;
$e1=18;
$f1=80;
$g1=01:
echo "$a5,$b5 </br>";
echo "$d2,$e1 </br>";
echo "$f1,$g1 </br>";
echo "<h4> After function:</h4>":
echo min($a5,$b5)."</br>";
echo min($d2,$e1)."</br>";
echo min($f1,$g1)."</br>";
echo "<h3> max() </h3>";
echo "<h4> Before function:</h4>";
$a6=40:
$b6=72:
$d3=19;
$e2=18:
$f2=80;
$g2=01;
echo "$a6,$b6 </br>";
echo "$d3,$e2 </br>";
echo "$f2,$g2 </br>";
echo "<h4> After function:</h4>";
echo max($a6,$b6)."</br>";
echo max($d3,$e2)."</br>";
echo max($f2,$g2)."</br>";
echo "<h3> pow() </h3>";
echo "<h4> Before function:</h4>";
echo "2,3</br>";
echo "-2,3</br>";
echo "-3,2</br>";
echo "<h4> After function:</h4>";
echo pow(2,3)."<br/>";
echo pow(-2,3)."<br/>":
echo pow(3,-2)."<br/>":
```

```
echo "<h3> sqrt() </h3>";
echo "<h4> Before function:</h4>";
echo "64</br>";
echo "49</br>";
echo "121</br>";
echo "121</br>";
echo "<h4> After function:</h4>";
echo sqrt(40)."<br/>";
echo sqrt(64)."<br/>";
echo sqrt(484)."<br/>";
echo "<h3> rand() </h3>";
$a7=rand();
echo "$a7<br/>br>";
echo (rand(1000,9999));
?>
```

localhost/PHP Practicals/Practica localhos Apps Support for Insp Math functions abs() Before function: -40.5-19.7 -72 After function 40.5 19.7 72 ceil() Before function: 40.5 -19.7 0.18 After function: 41 -19 1 floor() Before function: 40.5 -19.7 0.72 After function: 40 -20 0

Output:





| I.T. Dept | Year 2021 | 3361603 (WEB DESINGING USING PHP AND MYSQL) |
|-----------------------|------------------------|---|
| Questions: | | |
| 1. List out math func | tions. | |
| | | |
| | | |
| | | |
| | | |
| 2. Describe use of ra | nd () function in PHP. | |
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- **2.10** Write PHP script to demonstrate Array functions.
- **2.11** Write a PHP script to demonstrate sort (), asort (), ksort () on associative array.

Software Required: Notepad, WordPad, Notepad++, Dreamweaver, Wamp/Xampp

Pre-requisite: Basic knowledge of editor

Theory/Logic:

□ ARRAY FUNCTION:

- ☐ It allows you to manipulate Arrays in Various Ways in One dimensional as well as multi dimensional arrays.
- $lue{}$ Following table shows array function with its syntax and description.

| Name | Syntax | Description |
|------------|------------------------|--|
| count() | count(Array Name, | Accepts an array as an argument and returns |
| | mode); | Number of elements in an array. |
| list() | list(Variable1,Variabl | Accepts one or more variables as an argument |
| | 2,,VariableN)=Arra | and assigns them values from an array. |
| | yName; | |
| in_array() | in_array(Search | It is used to search specific value from an array. |
| | Value, | |
| | ArrayName,SearchTy | |
| | pe); | |
| current() | current(Array Name); | Accepts an array as an argument and returns |
| | | value of current element in an array. |
| next() | next(Array Name); | Accepts an array as an argument and moves |
| | | internal pointer position ahead so that it points |
| mmovyO | (A N) | to next element in array from current pos. |
| prev() | prev(Array Name); | Accepts an array as an argument and moves |
| | | internal pointer position down so that it points to |
| end() | and (Annar Mama). | prev element in array from current pos. |
| enuty | end(Array Name); | Accepts an array as an argument and moves |
| | | internal pointer pos last so that it points to last element in array from current pos. |
| each() | each(Array Name); | Accepts an array as an argument and Returns the |
| cach | each(Array Name), | key and value of current element and then it will |
| | | moves the internal point forward to the next |
| | | element. |
| sort() | sort(Array Name, | Accepts an array as an argument and sorts |
| | sortType); | elements of an array in ascending order. |
| array_mer | array_merge(Array | Accepts one or more than one array as an |
| ge() | Name1, Array Name2, | argument and merges them and returns a single |
| | Array NameN); | array that contains all the elements. |
| | J J' | |

| array_rev erse() | array_reverse(Array Name, Preserve); | Accepts an array as an argument and returns an array that contains elements in reverse order. |
|---------------------|---|---|
| reset() | reset(Array Name); | Used to move the array's internal pointer to the first element. |

Program/Solution:

```
Pr2.10 file code: -
<?php
 echo "count() :-<br>";
  $arr=array(1,2,3,4,5,6,7,8,9);
 echo "Count of elements in array: ". count($arr);
 ?>
  <hr>
  <?php
  echo "list():-<br>";
 list($a,$b,$c)=$arr;
 echo "$a<br>";
 echo "$b<br>";
 echo "$c<br>";
 ?>
  <hr>
  <?php
    echo "no in_array working";
 ?>
  <hr>
  <?php
 echo "current() :-<br>";
 $arr1=array("Abhishek","Dhruv","Nilesh","Kaushik");
 echo "Current element is ".current($arr1);
 ?>
  <hr>
  <?php
 echo "next():-<br>";
 echo "Next element is ".next($arr1);
 ?>
  <hr>
  <?php
 echo "prev():-<br>";
 echo "Previous element is ".prev($arr1);
 ?>
  <hr>
  <?php
 echo "end():-<br>";
 echo "End element is ".end($arr1);
 ?>
  <hr>
  <?php
  echo "each():-<br>";
```

```
print_r(each($arr1));
  ?>
  <hr>
  <?php
  echo "array_merge():-<br>";
  $merge=array_merge($arr,$arr1);
 print_r($merge);
  ?>
  <hr>
  <?php
  echo "array_reverse():-<br>";
  $merge=array_reverse($arr1);
  echo "Without preserve :-<br>";
  print r($merge);
  echo "<br/>br>Preserve :-<br/>;
  $merge=array reverse($arr1,true);
 print_r($merge);
 ?>
  <hr>
  <?php
 echo "reset():-<br>";
  echo "Reseting the array ".reset($arr1);
?>
Pr-2.11 file code: -
<?php
  $arr1=array(40,18,72,19);
  $arr2=array("Nilesh","Abhi","Kaushik","Dhruv");
  $arr3=array('z','f','A');
  $arr4=array("Nilesh"=>"20","Kaushik"=>"18","Abhi"=>"19");
 $arr5=array("Vegetables"=>"300","Dal"=>"80","Rice"=>"1050");
  $arr6=array("Shubham"=>"4.1","Chetan"=>"3.5","Utkarsh"=>"4.9");
  echo "sort() function examples:<br>";
  sort($arr1);
 sort($arr2);
 sort($arr3);
  print_r($arr1);
  echo "<br>";
  print_r($arr2);
  echo "<br>";
  print_r($arr3);
  echo "<br>";?>
  <hr>
  echo "asort() function examples:<br>";
  asort($arr4);
  asort($arr5);
 asort($arr6);
  print_r($arr4);
  echo "<br>";
```

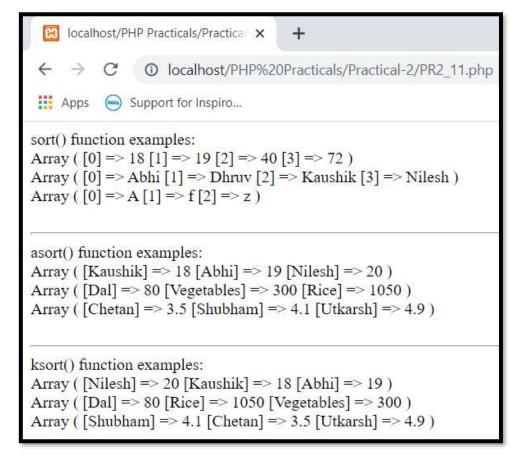
```
print_r($arr5);
 echo "<br>";
 print_r($arr6);
 echo "<br>>";?>
  <hr>
 <?php
 $arr7=array("Nilesh"=>"20","Kaushik"=>"18","Abhi"=>"19");
 $arr8=array("Vegetables"=>"300","Dal"=>"80","Rice"=>"1050");
 $arr9=array("Shubham"=>"4.1","Chetan"=>"3.5","Utkarsh"=>"4.9");
 echo "ksort() function examples:<br>";
 ksort($arr7,1);
 ksort($arr8,2);
 ksort($arr9,1);
 print_r($arr7);
 echo "<br>";
 print r($arr8);
 echo "<br>";
 print_r($arr9);
 echo "<br>";
?>
```

Ouput:

2.10

```
C @ localhost/PHP%20Practicals/Practical-2/PR2_10.php
## Apps Support for Inspiro...
count():-
Count of elements in array: 9
list():-
3
no in_array working
current():-
Current element is Abhishek
next():-
Next element is Dhruv
Previous element is Abhishek
end():-
End element is Kaushik
each():-
Fatal error: Uncaught Error: Call to undefined function each() in C:\xampp\htdocs\PHP Practicals\Practicals\Practical-2\PR2_10.php:42
```

2.11



Questions:

| 1. Describe use of asort () function in PHP. | |
|---|--|
| | |
| | |
| | |
| 2. Describe use of next () function in PHP. | |
| | |
| | |
| | |

SEM-6 Page |

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- **2.12** Write PHP script to demonstrate File functions.
- **2.13** Write PHP script to count no. of words in a file using file and string handling functions.

Software Required: Notepad, WordPad, Notepad++, Dreamweaver, Wamp/Xampp **Pre-requisite:** Basic knowledge of editor

Theory/Logic:

□ FILE FUNCTION

- ☐ It allows you to create & open file, Reading & Writing contents of file and closing file.
- ☐ Following table shows file function with its syntax and description.

| Name | Syntax | Description |
|----------|-----------------------|---|
| fopen() | fopen (FileName ,File | Used to create or open file. |
| | Mode, FilePath, | |
| | Context); | |
| fread() | fread (File | Used to read content from specified file. |
| | ,Maxlength); | |
| fwrite() | fwrite (File, string, | Used to write some text into the file. |
| | Max length); | |
| fclose() | fclose(\$File); | Used to close file. |

Program/Solution:

Pr-2.12 file code: -

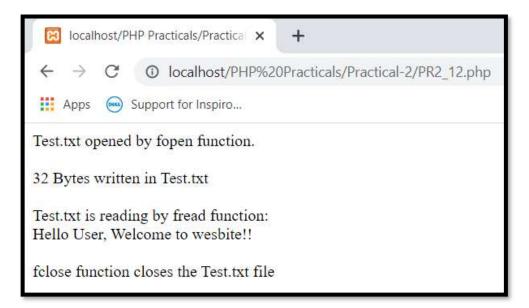
```
<?php
  $file=fopen("Test.txt","w+");
  echo "Test.txt opened by fopen function.<br>>";
  $num=fwrite($file,"Hello User, Welcome to wesbite!!",100);
  echo "$num Bytes written in Test.txt<br>>";
  fclose($file);
  $File="C:/xampp/htdocs/PHP Practicals/Practical-2/Test.txt";
  $handler=fopen($File,"r");
  $contents=fread($handler,filesize($File));
  echo "Test.txt is reading by fread function:<br>>$contents<br>>";
  fclose($handler);
  echo "fclose function closes the Test.txt file";
?>
```

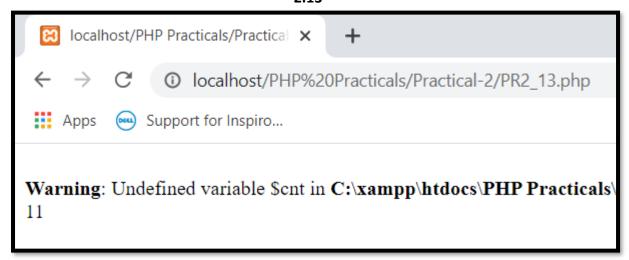
Pr-2.13 file code: -

```
<?php
  $file=fopen("hello.txt","r");
  while(!feof($file))
    le = fgets(file, 9999);
    $cnt += str word count($line);
  echo $cnt;
?>
```

Output:

2.12





| Questions: |
|---|
| 1. Describe use of x+ mode in fopen (). |
| |
| |
| |
| |
| 2. Describe use of a+ mode in fopen (). |
| |
| |
| |
| |