# Maharaja Surajmal Institue

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# DEPARTMENT OF COMPUTER APPLICATIONS WEB BASES PROGRAMMING

### PRACTICAL FILE

SUBJECT CODE – BCA 172

SUBMITTED BY: SUBMITTED TO:

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Sem: 2<sup>nd</sup> Sec: A (2<sup>nd</sup> shift)

# **INDEX**

S.No.	Practical	Date	Sign
1.	WAP to perform arithmetic operators		
2.	WAP to calculate the percentage and sum of 5 subjects		
3.	WAP to calculate the Area and Perimeter of a Circle and a Rectangle		
4.	WAP to convert Celsius to Fahrenheit and Vice Versa		
5.	WAP to swap two Numbers using printf and echo		
6.	WAP to calculate Simple and Compound Interest Calculation		
7.	WAP to input Name, Address, Phone Number, DOB and output using print		
8.	WAP to demonstrate the variable type(Local, Static, Global, SuperGlobal)		
9.	WAP to demonstrate the scalar and composite data types(Scalar-int, float, string, boolean) (Compound-Array)		
10.	WAP to demonstrate integer notations		
11.	WAP to demonstrate NULL		
12.	WAP to demonstrate constants		
13.	WAP to demonstrate objects		
14.	WAP to demonstrate magical constants		
15.	WAP to implement different types of regular expressions		
16.	WAP to demonstrate while loop		
17.	WAP to demonstrate do-while loop		
18.	WAP to demonstrate for loop		

19.	WAP to demonstrate foreach loop	
20.	WAP to demonstrate Logical & Relational	
	Operators	
21.	WAP to demonstrate Comparison Operators	
22.	WAP to demonstrate Array Operators	

```
Code:-
<html>
 <head>
   <title>Arithmetical Operators</title>
 </head>
 <body>
   <?php
    a = 42;
    b = 20;
    c = a + b;
    echo "Addtion Operation Result: $c <br/>';
    c = a - b;
    echo "Substraction Operation Result: $c <br/>';
    c = a * b;
    echo "Multiplication Operation Result: $c <br/>';
    c = a / b;
    echo "Division Operation Result: $c <br/>-";
     c = a \% b;
    echo "Modulus Operation Result: $c <br/>';
    c = a++;
     echo "Increment Operation Result: $c <br/> ";
     c = a--;
```

```
echo "Decrement Operation Result: $c <br/>'; ?>
</body>
</html>
```

Addition Operation Result: 62 Substraction Operation Result: 22 Multiplication Operation Result: 840 Division Operation Result: 2.1 Modulus Operation Result: 2 Increment Operation Result: 42 Decrement Operation Result: 43

```
Code:-
<?php
a=7;
b=6;
$c=8;
d=8;
$e=6;
$sum=$a+$b+$c+$d+$e;
$percentage=($sum/500)*100;
echo("Subject 1 is: $a <br>");
echo("Subject 2 is: $b <br>");
echo("Subject 3 is: $c <br>");
echo("Subject 4 is: $d <br>");
echo("Subject 5 is: $e <br>");
echo("Sum of subjects is: $sum <br>");
echo("Percentage of subjects is: $percentage"."%");
?>
```

Subject 1 is: 7 Subject 2 is: 6 Subject 3 is: 8 Subject 4 is: 8 Subject 5 is: 6 Sum of subjects is: 35 Percentage of subjects is: 7%

# Practical 3

# Code:-<?php \$pi=3.14; \$radius=7; \$areac=\$pi\*\$radius\*\$radius; \$permc=2\*\$pi\*\$radius; \$length=6; \$breadth=8; \$arear=\$length\*\$breadth; \$permr=2\*(\$length+\$breadth); echo("Radius is: \$radius <br>"); echo("Area of circle is: \$areac <br>"); echo("Perimeter of circle is: \$permc <br>''); echo("Length of Rectangle is: \$length <br>''); echo("Breadth of Rectangle is: \$breadth <br>"); echo("Area of rectangle is: \$arear <br>''); echo("Perimeter of rectangle is: \$permr <br>''); ?>

Radius is: 7

Area of circle is: 153.86 Perimeter of circle is: 43.96 Length of Rectangle is: 6 Breadth of Rectangle is: 8 Area of rectangle is: 48 Perimeter of rectangle is: 28

# Practical 4

### Code:-

```
<?php
$celsius=56;
$fahr=45;
$ctof=($celsius*9/5)+32;
$ftoc=($fahr-32)*5/9;
echo("Celsius is: $celsius <br>'');
echo("Fahrenheit is: $fahr <br>'');
echo("Celsius to Fahrenheit is: $ctof <br>'');
echo("Fahrenheit to Celsius is: $ftoc <br>'');
?>
```

### Output:-

Celsius is: 56 Fahrenheit is: 45

Celsius to Fahrenheit is: 132.8

Fahrenheit to Celsius is: 7.222222222222

# Practical 5

### Code:-

<?php

```
$a=8;
$b=5;
$temp;
printf("Value in a is: %d <br>", $a);
printf("Value in b is: %d <br>", $b);
$temp=$a;
$a=$b;
$b=$temp;
printf("Now value in a is: %d <br>", $a);
printf("Now value in b is: %d <br>", $b);
echo "Same here now value a is: $a <br>";
echo "Same here now value b is: $b <br>";
?>
```

Code:-

Value in a is: 8 Value in b is: 5 Now value in a is: 5 Now value in b is: 8 Same here now value a is: 5 Same here now value b is: 8

# Practical 6

# <?php \$principal=100; \$rate=0.5; \$time=12; \$napplied=2; \$siamount; \$ciamount; \$ciamount=\$principal\*(1+\$rate\*\$time); \$ciamount=\$principal\*(1+\$rate/\$napplied)\*\*(\$napplied\*\$time);</pre>

```
echo "Principal is: $principal <br>";<br/>echo "Rate is: $rate <br>";<br/>echo "Time is: $time <br>";<br/>echo "Number of times interest applied is: $napplied <br>";<br/>echo "Simple Interest is: $siamount <br>";<br/>echo "Compound Interest is: $ciamount";<br/>?>
```

Principal is: 100 Rate is: 0.5 Time is: 12

Number of times interest applied is: 2

Simple Interest is: 700

Compound Interest is: 21175.823681358

# Practical 7

### Code:-

```
<?php
$name="Ram Kumar";
$address="Lal Bazzar, Delhi";
$ph="9439239229";
$dob="8 April 2000";
print "Name is: $name <br>";
print "Address is: $address <br>";
print "Phone Number is: $ph <br>";
print "DOB is: $dob <br>";
?>
```

Name is: Ram Kumar

Address is: Lal Bazzar, Delhi Phone Number is: 9439239229

DOB is: 8 April 2000

```
Code:-
<html>
<body>
<?php
$g=11;
$t=58;
function testt()
{
       //Local Variable
        x=7;
        echo "Value of x inside function: $x";
}
function test2(){
       global $g;
       echo "<br/>br> gg is a global variable and can be called anywhere: $g<br/>br>";
}
function test3(){
       static $f=4;
        echo "f is static variable $f";
        $f++;
}
function test4(){
        echo "t is a global variable ",$GLOBALS['t']."<br>";
}
echo "<br/>br> x cannot be printed outside function";
test2();
```

```
test3();
echo"<br>";
test3();
echo"<br>";
test3();
echo"<br>";
test4();
?>
</body>
</html>

Output: -
```

### Output.-

Value of x inside function: 7 x cannot be printed outside function gg is a global variable and can be called anywhere: 11 f is static variable 4 f is static variable 5 f is static variable 6 t is a global variable 58

```
Code: -

<?php
$x=1.23;
$y=98;
$z="WAR";
$s="WJS32JEJE";
$bb=true;
$arr=array("RJEJE", "RHEHMA");
$arr1=array("KTR",278,73.72);
var_dump($x);
echo "<br>";
printf("Printed using printf and data modifier: %f <br>", $x);
var_dump($y);
echo "<br>";
```

```
printf("Printed using printf and data modifier: %d <br>>", $y);
var_dump($z);
echo "<br>";
printf("Printed using printf and data modifier: %s <br>>", $z);
var_dump($s);
echo "<br>";
printf("Printed using printf and data modifier: %s <br>", $s);
var_dump($bb);
echo "<br>";
printf("Printed using printf and data modifier: %d", $bb);
echo "<br>";
var_dump($arr);
echo "<br > Printed using print_r: ";
print_r($arr);
echo"<br>";
var_dump($arr1);
echo "<br/>br> Printed using print_r and pre tag: ";
echo "";
print_r($arr1);
echo "";
?>
```

```
float(1.23)
Printed using printf and data modifier: 1.230000
Printed using printf and data modifier: 98
string(3) "WAR"
Printed using printf and data modifier: WAR
string(9) "WJS32JEJE"
Printed using printf and data modifier: WJS32JEJE
bool(true)
Printed using printf and data modifier: 1
array(2) { [0]=> string(5) "RJEJE" [1]=> string(6) "RHEHMA" }
Printed using print_r: Array ([0] => RJEJE [1] => RHEHMA)
array(3) { [0]=> string(3) "KTR" [1]=> int(278) [2]=> float(73.72) }
Printed using print_r and pre tag:
Array
    [0] => KTR
    [1] => 278
   [2] => 73.72
```

```
Code: -

<?php
$x=877;
$y=78;
$z=65;
$g=54;
printf("Decimal Number: %d", $x);
printf("<br>Binary Number: %b", $y);
printf("<br>Octal Number: %o", $z);
printf("<br>Hexadecimal Number: %x", $g);
?>
```

Decimal Number: 877 Binary Number: 1001110 Octal Number: 101

Hexadecimal Number: 36

# Practical 11

```
code: -

<?php
$x="AHA";
echo"Value in x is: $x but now it will be null<br>";
$x=null;
var_dump($x);
$y=21;
echo"<br/>br>Value in y is: $y but now it will be null<br>";
$y=null;
var_dump($y);
?>

Output: -

Value in x is: AHA but now it will be null
NULL
Value in y is: 21 but now it will be null
NULL
```

# Practical 12

```
<?php
define("pi",3.141,true);
$x=8;
echo"Value in pi is: ".pi."<br>";
echo"Value in x is: $x <br>";
```

Code:-

```
$ar=PI*$x*$x;
echo"Area of a circle with radius <b>x</b> and pi as constant: $ar<br/>;?>

Output: —

Value in pi is: 3.141
Value in x is: 8
Area of a circle with radius x and pi as constant: 201.024
```

```
Code:-
<?php
class student
{
       public $name="AMAN";
       public function gg()
              echo" <br/>br>This is the function accessed outside";
       }
}
$ss= new student;
var_dump($ss);
echo $ss->gg();
?>
Output:-
 object(student)#1 (1) { ["name"]=> string(4) "AMAN" }
 This is the function accessed outside
```

```
Code:-
<?php
echo"The line number is: ",__line__."<br>";
echo"The file path is: ",__file__."<br/>';
function tryy()
{
       echo"The function name is: ",__function__."<br>";
}
tryy();
echo"The line number is: ",__line__."<br>";
class student
{
       public function cname()
               echo"The class name is: ",__class__."<br>";
       }
}
$trial=new student();
echo $trial->cname();
echo"The line number is: ",__line__."<br>";
class two
{
       public function nee()
       {
               echo "The method name is: ",__method__."<br>";
       }
}
$tryy2=new two;
echo $tryy2->nee();
?>
```

else

{

The line number is: 2

```
The file path is: /home/y8ph6t/prog.php
The function name is: trvv
The line number is: 9
The class name is: student
The line number is: 20
The method name is: two::nee
                                Practical 15
Code:-
<?php
$text="This is the 121 2443array of $ @ + _ 34 dd jekhew aaKbb PHP php web K. Next this
line lorem insnsn asekwae wae
is a part of the rest of the array with nos 874 398 17219 and special characters # #$&) (";
$exp=preg_match_all("/WAE/i",$text,$arr);
//$exp=preg_match_all("/WAP|web|the|of/i",$text,$arr);
//$exp=preg_match_all("/[2-6a-w]/i",$text,$arr);
//$exp=preg_match_all("/s|o|a|e|/i",$text,$arr);
//$exp=preg_match_all("/[wae]/i",$text,$arr);
//$exp=preg_match_all("/[^php]/i",$text,$arr);
//$exp=preg_match_all("\\W/i",$text,$arr);
//$exp=preg_match_all("/\w/i",$text,$arr);
//$exp=preg_match_all("\\s/i",$text,$arr);
//$exp=preg_match_all("\\S/i",$text,$arr);
//$exp=preg_match_all("/.ar/i",$text,$arr);
//$exp=preg_match_all("/ar./i",$text,$arr);
if($exp)
{
       echo"Match found";
}
```

```
Code: -

<?php
$x='A';
echo"Value of x is: $x";
while($x<'K')
{
        echo "<br>The letter is: $x";
        ++$x;
}
?>
```

```
Value of x is: A
The letter is: B
The letter is: C
The letter is: D
The letter is: E
The letter is: F
The letter is: G
The letter is: H
The letter is: I
The letter is: I
```

```
Code: -

<?php
$x='A';
echo"Value of x is: $x";
do
{
    echo "<br/>br>The number is: $x";
}while($x>'A')
?>

Output: -

Value of x is: A
The number is: A
```

```
Code:-
<?php
$x=0;
echo"Value of x is: $x";
for($x=0;$x<10;++$x)
       echo "<br/>br>The number is: $x";
}
?>
Output:-
 Value of x is: 0
 The number is: 0
 The number is: 1
 The number is: 2
 The number is: 3
 The number is: 4
 The number is: 5
 The number is: 6
 The number is: 7
 The number is: 8
 The number is: 9
```

# Practical 19

Code:-

### Aq Bq Cq Dq

Code:-

# Practical 20

# 

### Output:-

?>

```
and Success
or Success
xor Success
&& Success
|| Success
```

```
Code:-
<?php
a = 80;
b = 76;
c = "89";
echo var_dump($a == $c) . "<br>";
echo var_dump($a != $b) . "<br>";
echo var_dump($a <> $b) . "<br>";
echo var_dump($a === $c) . "<br>";
echo var_dump($a !== $c) . "<br>";
echo var_dump($a < $b) . "<br>";
echo var_dump(a > b). "br >";
echo var_dump($a <= $b) . "<br>";
echo var_dump(a >= b);
?>
Output:-
 bool(false)
 bool(true)
 bool(true)
 bool(false)
 bool(true)
 bool(false)
```

bool(true) bool(false) bool(true)

Code:-

# Practical 22

# <?php \$x = array("k" => "Love", "l" => "Hate"); \$y = array("a" => "Credit", "b" => "Blame");

```
echo"";
echo var_dump($x + $y);
echo"";
echo var_dump($x == $y) . "<br>";
echo var_dump($x != $y) . "<br>";
echo var_dump($x <> $y) . "<br>";
echo var_dump($x === $y) . "<br>";
echo var_dump($x !== $y) . "<br>";
echo var_dump($x !== $y) . "<br>";
```

```
array(4) {
    ["k"]=>
    string(4) "Love"
    ["l"]=>
    string(4) "Hate"
    ["a"]=>
    string(6) "Credit"
    ["b"]=>
    string(5) "Blame"
}
bool(false)
bool(true)
bool(true)
bool(false)
bool(false)
bool(true)
```