**Practical: 2**

**Aim:** Implement php array and string function.

**Program code:**

**Array:**

<?php

echo "<h1> Basics About Array </h1>";

echo "</br> <hr>";

echo "<h3> Numeric Array </h3>";

$n = array ('PHP','Laravel','Zend');

print\_r($n);

echo "<h3> Associative Array </h3>";

$n = array ('PHP'=>'Vatsal','Laravel'=>'Vador','Zend'=>'Valsad');

print\_r($n);

echo "<h3> Multi dimeltional Array </h3>";

$n = array ("CE"=>array("Vatsal","Vador"),"IT"=>array("Yogesh"),"Vador");

print\_r($n);

echo "<h3> Type Casting and overwriting example </h3>";

$n = array (1=>"a","1"=>"b",1.5=>"c",true=>"d");

var\_dump($n);

echo "<h3> Mixed integer and string keys </h3>";

$n = array("foo"=>"bar","bar"=>"foo",100=>-100,-100=>100);

var\_dump($n);

echo "<h3> Key not on all element </h3>";

$n = array("a","b",6=>"c","d");

var\_dump($n);

echo "<h1> Array Functions </h1>"."</br> <h3> array\_value() </h3>";

$arr = array(5=>1,12=>2);

$arr[]=56; // this is the same as $arr[13]=56;

$arr["x"]=42; // this adds new element with key x

print\_r($arr);

echo "</br>";

unset($arr[5]); // this removes element from array but array won't be re-indexed

print\_r($arr);

echo "</br>";

unset($arr); // this deletes the whole array

echo "</br>";

$array = array(1,2,3,4,5);

print\_r($array);

foreach ($array as $key => $value) {

unset($array[$key]);

}

echo "</br>";

print\_r($array);

echo "</br>";

$array[]=6; // this new inserted item will be at position 6, no re-indexing

print\_r($array);

echo "</br>";

$array = array\_values($array); // used for re-indexing : array\_values($array\_name);

$array[]=7; // adding new element after re-indexing

print\_r($array);

echo "</br>"."<h3> array\_change\_key\_case() </h3> "."</br>";

$a = array("a"=>"Cat","b"=>"Dog","c"=>"Horse","B"=>"AADIMANAV");

print\_r(array\_change\_key\_case($a,CASE\_UPPER));

echo "</br>"."<h3> array\_chunk() </h3> "."</br>";

$a = array("a"=>"Cat","b"=>"Dog","c"=>"Horse","d"=>"Cow");

var\_dump(array\_chunk($a,2));

echo "</br>"."<h3> array\_combine() </h3> "."</br>";

$a1 = array("a","b","c","d");

$a2 = array("Cat","Dog","Horse","Cow");

print\_r(array\_combine($a1,$a2));

echo "</br>"."<h3> implode() </h3> "."</br>";

$arr = array('Hello','World!','Day!');

echo implode(" ",$arr);

echo "</br>"."<h3> explode() </h3> "."</br>";

$str = "Hello world. It's a beautiful day.";

print\_r(explode(" ",$str));

echo "</br>"."<h3> array\_count\_values() </h3> "."</br>";

$array = array(1,"hello",1,"world","hello");

print\_r(array\_count\_values($array));

echo "</br>"."<h3> array\_diff() </h3> "."</br>";

$array1 = array("a"=>"green","red","blue","red");

$array2 = array("b"=>"green","yellow","red");

$result = array\_diff($array1,$array2);

print\_r($result);

echo "</br>"."<h3> array\_diff\_assoc() </h3> "."</br>";

$array1 = array("a"=>"green","b"=>"brown","c"=>"blue","red");

$array2 = array("a"=>"green","yellow","red");

$result = array\_diff\_assoc($array1,$array2);

print\_r($result);

echo "</br>"."<h3> array\_diff\_key() </h3> "."</br>";

$array1 = array(0=>"Cat",1=>"Dog",2=>"Horse");

$array2 = array(2=>"Bird",3=>"Rat",4=>"Fish");

$array3 = array(5=>"Horse",6=>"Dog",7=>"Bird");

print\_r(array\_diff\_key($array1,$array2,$array3));

echo "</br>"."<h3> array\_fill() </h3> "."</br>";

$a = array\_fill(5,6,'banana');

$b = array\_fill(-2,4,'pear');

print\_r($a); echo "</br>";

print\_r($b);

echo "</br>"."<h3> array\_flip() </h3> "."</br>";

$a = array(0=>"Dog",1=>"Cat",2=>"Horse");

print\_r(array\_flip($a));

echo "</br>"."<h3> array\_filter() </h3> "."</br>";

function odd($var)

{

return($var & 1);

}

function even($var)

{

return(!($var & 1));

}

$array1 = array("a"=>1,"b"=>2,"c"=>3,"d"=>4,"e"=>5);

$array2 = array(6,7,8,9,10,11,12);

echo "Odd :";

print\_r(array\_filter($array1,"odd"));

echo "</br>";

echo "Even :";

print\_r(array\_filter($array2,"even"));

echo "</br>"."<h3> array\_intersect\_assoc() </h3> "."</br>";

$array1 = array("a"=>"green","b"=>"brown","c"=>"blue","red");

$array2 = array("a"=>"green","b"=>"yellow","blue","red");

$result = array\_intersect\_assoc($array1,$array2);

print\_r($result);

echo "</br>"."<h3> array\_key\_exists() </h3> "."</br>";

$a = array("Dog","Cat");

if ( array\_key\_exists(0,$a))

{

echo "Key exists !";

}

else

{

echo "Key does not exists !";

}

echo "</br>"."<h3> array\_key() </h3> "."</br>";

$a = array("a"=>"Horse","b"=>"Dog","c"=>"Cat");

print\_r(array\_keys($a,"Cat"));

echo "</br>"."<h3> array\_push() </h3> "."</br>";

$a = array("a"=>"Dog","b"=>"Cat");

array\_push($a,"Horse","Bird");

print\_r($a);

echo "</br>"."<h3> array\_pop() </h3> "."</br>";

$a = array("Dog","Cat","Horse");

array\_pop($a);

print\_r($a);

echo "</br>"."<h3> array\_shift() </h3> "."</br>";

$array1 = array("a"=>"green","b"=>"brown","c"=>"blue");

echo array\_shift($array1)."</br>";

print\_r($array1);

echo "</br>"."<h3> array\_unshift() </h3> "."</br>";

$array1 = array("a"=>"green","b"=>"brown","c"=>"blue");

echo array\_unshift($array1,"Horse")."</br>";

print\_r($array1);

echo "</br>"."<h3> array\_map() </h3> "."</br>";

function myfunction($v)

{

if($v==="Dog")

{

return "Fido";

}

return $v;

}

$a = array("Horse","Dog","Cat");

print\_r(array\_map("myfunction",$a));

echo "</br>"."<h3> array\_merge() </h3> "."</br>";

$a = array("a"=>"Dog","b"=>"Cat");

$b = array("c"=>"Cow","b"=>"Cat");

print\_r(array\_merge($a,$b));

echo "</br>"."<h3> array\_merge\_recursive() </h3> "."</br>";

$a = array("a"=>"Dog","b"=>"Cat");

$b = array("c"=>"Cow","b"=>"Cat");

print\_r(array\_merge\_recursive($a,$b));

echo "</br>"."<h3> array\_reduce() </h3> "."</br>";

function ffunction($v1,$v2)

{

return $v1 . "-" . $v2;

}

$a = array("Dog","Cat","Horse");

print\_r(array\_reduce($a,"ffunction"));

echo "</br>"."<h3> array\_search() </h3> "."</br>";

$array = array('blue','red','green','red');

$key = array\_search('green',$array); // $key = 2;

echo "Key : "."$key";

echo "</br>"."<h3> array\_walk() </h3> "."</br>";

function gfunction($value,$key,$p)

{

echo "$key $p $value</br>";

}

$a = array("a"=>"Cat","b"=>"Dog","c"=>"Horse");

array\_walk($a,"gfunction","has the value");

echo "</br>"."<h3> array\_walk() </h3> "."</br>";

function hfunction($value,$key)

{

echo "$key $value</br>";

}

$a1 = array("a"=>"Cat","b"=>"Dog");

$a2 = array($a1,"1"=>"Bird","2"=>"Horse");

array\_walk\_recursive($a2,"hfunction");

?>

**String:**

<?php

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

$str = "Hello, my name is Kai Jim.";

echo $str."</br>";

echo addcslashes($str,'m')."</br>";

echo addcslashes($str,'k')."</br>";

echo addcslashes($str,'A..Z')."</br>";

echo addcslashes($str,'a..z')."</br>";

echo addcslashes($str,'a..h')."</br>";

echo "<h3> chunk\_split() </h3>";

$str = "Hello world!";

echo chunk\_split($str,1,".")."</br>";

echo chunk\_split($str,6,"...");

echo "<h3> str\_ireplace() </h3>";

echo str\_ireplace("WORLD","Peter","Hello world!");

echo "<h3> str\_pad() </h3>";

$str = "Hello world!";

echo str\_pad($str,20,".")."</br>";

echo str\_pad($str,20,".",STR\_PAD\_LEFT)."</br>";

echo str\_pad($str,20,".",STR\_PAD\_BOTH);

echo "<h3> str\_repeat() </h3>";

echo str\_repeat(".",13);

echo "<h3> str\_shuffle() </h3>";

echo str\_shuffle("Hello World");

echo "<h3> str\_split() </h3>";

print\_r(str\_split("Hello"));

echo "</br>";

print\_r(str\_split("Hello",3));

echo "<h3> str\_word\_count() </h3>";

echo str\_word\_count("Hello World !");

print\_r(str\_word\_count("Hello World !",1));echo "</br>";

print\_r(str\_word\_count("Hello World !",2));echo "</br>";

print\_r(str\_word\_count("Hello World & good morning!",1));echo "</br>";

print\_r(str\_word\_count("Hello World & good morning!",1,"&"));echo "</br>";

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

echo strcasecmp("Hello world!","HELLO WORLD!");

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

echo strcmp("Hello world!","Hello world!");

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

echo stripcslashes("Hello, \my na\me is Vatsa\l.");

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

echo strpbrk("Hello world!","oe");

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

echo strpos("Hello world!","wo");

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

echo strstr("Hello world!","world");

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

$string = "Hello world. Beautiful day today.";

$token = strtok($string," ");

while ($token != false)

{

echo "$token</br>";

$token = strtok(" ");

}

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

echo substr("Hello world!",6,5);

echo "<h3> substr\_compare() </h3>";

echo substr\_compare("Hello world","WORLD",6,TRUE);

echo "<h3> substr\_count() </h3>";

echo substr\_count("Hello world. The world is nice","world");

?>