

Internet Programming

Assignment no 1

Submitted by: **M. Rehan Asghar**
Roll no: **BSSE 5 - 15126**
Submitted to: **Hafiz Shahzad**
Date: **April 26, 2016.**

Code of Programs

1. Searching through Array:

Program Code:

```
<?php

    $numbers = array (1,3,5,7,44,33,2,5,7) ;

    $value = 33 ;

    for ($i=0 ; $i<9 ; $i++)
    {
        if($numbers[$i]==$value)
        {
            echo 'Number found in Array at Index:'.($i+1);
        }
    }

?>
```

2. Finding Maximum Or Minimum Value:

Program Code:

```
<?php

    $numbers = array (1,3,5,7,44,33,2,5,7) ;

    $max = $numbers[0] ;
    $min = $numbers[0] ;

    for ($i=0 ; $i<8 ; $i++)
    {
        if($numbers[$i]>$max)
        {
            $max = $numbers[$i] ;
        }
        elseif ($numbers[$i]<$min)
        {
```

```

        $min = $numbers[$i] ;
    }
}

echo "Max Number is $max <br>";
echo "Min Number is $min ";

?>

```

3. Sorting in Ascending or Descending:

Program Code:

```

<?php

$numbs = array (55,3,61,22,34,9,11,0) ;

for ($i=0; $i<7 ; $i++)
{
    for ($j=0; $j<7 ; $j++)
    {
        if ($numbs[$j] < $numbs[$j+1])
        {
            $swap = $numbs[$j] ;
            $numbs[$j] = $numbs[$j+1] ;
            $numbs[$j+1] = $swap ;
        }
    }
}

for ($i=0; $i <8 ; $i++) {
    echo $numbs[$i].' ' ;
}

?>

```

Codes of Functions on Arrays

Function Name: sizeof ()

Code:

```
<?php
    $numbs = array (63,80,91,92,82,5,12) ;
    echo 'Array has '.sizeof($numbs).' elements'
?>
```

Function Name: array_pop ()

Code:

```
<?php
    $numbs = array (63,80,91,92,82,5,12) ;
    array_pop($numbs) ;
    print_r($numbs) ;
?>
```

Function Name: array_push ()

Code:

```
<?php
    $numbs = array (63,80,91,92,82,5,12) ;
    array_push($numbs, 150) ;
    print_r($numbs) ;
?>
```

Function Name: array_shift ()

Code:

```
<?php
    $numbs = array (63,80,91,92,82,5,12) ;
    array_shift($numbs) ;
    print_r($numbs) ;
?>
```

Function Name: array_unshift ()

Code:

```
<?php
    $numbs = array (63,80,91,92,82,5) ;
    array_unshift($numbs, 1) ;
    print_r($numbs) ;
?>
```

Function Name: sort ()

Code:

```
<?php
    $numbs = array (63,80,91,92,82,5,12) ;
    sort($numbs) ;
    print_r($numbs) ;
?>
```

Function Name: array_reverse ()

Code:

```
<?php
    $numbs = array (63,80,91,92,82,5,12) ;
    print_r(array_reverse($numbs)) ;
?>
```

Function Name: min () & max ()

Code:

```
<?php
    $numbs = array (63,80,91,92,82,5,12) ;
    echo 'Min Value: '.min($numbs).'\n';
    echo 'Max Value: '.max($numbs).'\n';
?>
```

Function Name: array_rand ()

Code:

```
<?php
    $numbs = array (63,80,91,92,82,5,12) ;
    echo 'Random Value: '.$numbs[array_rand($numbs)];
?>
```

Function Name: array_search ()

Code:

```
<?php
    $numbs = array (63,80,91,92,82,5,12) ;
    echo 'Value Found: '.array_search(5,$numbs);
?>
```

Function Name: array_unique ()

Code:

```
<?php
    $numbs = array (63,80,91,92,82,5,12,12,5) ;
    print_r(array_unique($numbs));
?>
```

Function Name: array_combine ()

Code:

```
<?php
    $r_nums = array ("Roll no: 1","Roll no: 2","Roll no: 3","Roll no: 4",
        "Roll no: 5","Roll no: 6");
    $names = array ("Rehan","Ahmed","Wahab","Faizan","Haris","Anam",);
    print_r(array_combine($r_nums, $names));
?>
```

Implementation of Selection Sort in PHP

Code:

```
<?php

$val=array(5,3,8,2,14);

for($i=0;$i<5;$i++)
{
    $max=0;
    for($j=1;$j<5;$j++)
    {
        if($val[$max]<$val[$j])
        {
            $max=$j;
        }
        $temp=$val[$max];
        $val[$max]=$val[$j];
        $val[$j]=$temp;
    }
}

echo "Ascending Order :";

for($x=0;$x<5;$x++)
{

    echo " $val[$x]";
}

?>
```