Chapter 2

* **Constants**

<?php

define("con",30);

echo con;

?>

**Type Casting**

1.

<?php

$x="20";

$y=30;

$s=$x+$y;

echo $s;

?>

2.

<?php

$x="2.2cents";

echo "$x<br>";

settype($x,"integer");

echo $x;

?>

Chapter 3

**Sequential Statements**

**Conditional Statements**

if($a*>*$b)*{* echo ”$a is strictly greater that $b *<*br*>\*n”;  
*}*  
elseif($a==$b)*{* echo ”$a is equal to $b *<*br*>\*n”;  
*}*  
else*{* echo ”$a is strictly smaller that $b *<*br*>\*n”;  
*}*

Switch

switch ($i) *{*  
case 0:  
case 1:  
case 2:  
print ”i is less than 3 but not negative”;  
break;  
case 3:  
print ”i is 3”;  
*}*

Increment and decrement

<?php

$x=10;

if($x<=20)

{

$x++;

}

echo$x;

?>

Looping

<?php

$i=1;

while ($i<100){

$i\*=2;

}

echo "$i<br>";

?>

<?php

$i = 0;

do{

print $i;

}while ($i>0);

echo "<br>";

?>

<?php

for ($i=0; $i <=10; $i++){

print $i;

}

?>

Jamb to array:

foreach ($arr as $key =*>* $value) *{*  
echo ”Key: $key; Value: $value*<*br*>\*n”;  
*}*

foreach($a as $k =*>* $v) *{*  
print ”*\*$a[$k] =*>* $v.*\*n”;  
*}*

*Break and continue*

<?php

$i = 10;

while (--$i)

{

if ($i == 8)

{

continue;

}

if ($i == 5)

{

break;

}

echo "$i <br>";

}

?>

Create Array

Numerical array

<?php

$course = array("PHP", "JAVA", "VB");

$arrlength = count($course);

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

echo $course[$x];

echo "<br>";

}

?>

Assosation array

<?php

$age = array("Abebe"=>"35", "Hana"=>"37", "Astere"=>"43");

foreach($age as $x => $x\_value) {

echo "Key=" . $x . ", Value=" . $x\_value;

echo "<br>";

}

?>

Two dimension array

<?php

$marks=array(

array(80,89,79),

array(90,78,87),

array(78,90,78)

);

for($r=0;$r<count($marks);$r++)

{

for($c=0;$c<count($marks[$r]);$c++)

{

echo $marks[$r][$c]." ";

}

echo "<br>";

}

?>

Sort array

1.

$numbers = array(4, 6, 2, 22, 11);  
sort($numbers);  
  
$arrlength = count($numbers);  
for($x = 0; $x <  $arrlength; $x++) {  
     echo $numbers[$x];  
     echo "<br>";  
}  
?>

## 2. Sort Array (Ascending Order), According to Key - ksort()

<?php  
$age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");  
ksort($age);  
  
foreach($age as $x => $x\_value) {  
     echo "Key=" . $x . ", Value=" . $x\_value;  
     echo "<br>";  
}  
?>

## 3. Sort Array (Descending Order), According to Value - arsort()

<?php  
$age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43");  
arsort($age);  
  
foreach($age as $x => $x\_value) {  
     echo "Key=" . $x . ", Value=" . $x\_value;  
     echo "<br>";  
}  
?>

**Functions**

<?php  
function sum($x, $y) {  
     $z = $x + $y;  
     return $z;  
}  
  
echo "5 + 10 = " . sum(5,10) . "<br>";  
echo "7 + 13 = " . sum(7,13) . "<br>";  
echo "2 + 4 = " . sum(2,4);  
?>

2

<?php  
function recursion($a)  
{  
    if ($a < 20) {  
        echo "$a\n";  
        recursion($a + 1);  
    }  
}  
?>

3.

<?php

**function** addFive($num) {

$num += 5;

}

**function** addSix(**&**$num) {

$num += 6;

}

$orignum = 10;

addFive( $orignum );

echo "Original Value is $orignum<br />";

addSix( $orignum );

echo "Original Value is $orignum<br />";

?>

**Functions scope**

**1.**

<?php  
$a = 1;  
$b = 2;  
  
function Sum()  
{  
    global $a, $b;  
  
    $b = $a + $b;  
}   
  
Sum();  
echo $b;  
?>

3.

<?php  
$a = 1;  
$b = 2;  
  
function Sum()  
{  
    $GLOBALS['b'] = $GLOBALS['a'] + $GLOBALS['b'];  
}   
  
Sum();  
echo $b;  
?>

Chapter 4

File Write

<?php

$myfile = fopen("C:/Users/asu/Desktop/newfile.txt", "w") or die("Unable to open file!");

$txt = "John Doe\n";

fwrite($myfile, $txt);

$txt = "Jane Doe\n";

fwrite($myfile, $txt);

fclose($myfile);

?>

File read

<?php

$myfile = fopen("C:/Users/asu/Desktop/newfile.txt", "r") or die("Unable to open file!");

while(! feof($myfile))

{

echo fgets($myfile). "<br />";

}

fclose($myfile);

?>

File Append

<?php

$myfile = fopen("C:/Users/asu/Desktop/newfile.txt", "a") or die("Unable to open file!");

$data = "New data line 1";

fwrite($myfile, $data);

$new\_data ="New data line 2";

fwrite($myfile, $new\_data);

?>