**PHP Math**

**PhP-Lecture-04**

**PHP pi() Function**

The pi() function returns the value of PI:

**Example**

<?php  
echo(pi()); // returns 3.1415926535898  
?>

3.141592653589

**PHP min() and max() Functions**

The min() and max() functions can be used to find the lowest or highest value in a list of arguments:

**Example**

<?php  
echo(min(0, 150, 30, 20, -8, -200));  // returns -200  
echo(max(0, 150, 30, 20, -8, -200));  // returns 150  
?>

**PHP abs() Function**

The abs() function returns the absolute (positive) value of a number:

**Example**

<?php  
echo(abs(-6.7));  // returns 6.7  
?>

**PHP sqrt() Function**

The sqrt() function returns the square root of a number:

**Example**

<?php  
echo(sqrt(64));  // returns 8  
?>

**PHP round() Function**

The round() function rounds a floating-point number to its nearest integer:

**Example**

<?php  
echo(round(1.60));  // returns 2  
echo(round(0.49));  // returns 0  
?>

**Random Numbers**

The rand() function generates a random number:

**Example**

<?php  
echo(rand());  
?>