**Practical: 5**

**Aim:** Implement following object oriented concept using PHP script.

a) Structuring a class, Defining class properties and methods.

b) Constructor and Destructor

c) Inherit the properties from base class

d) Designing of Abstract class

e) Interface

f) Auto loading Class

g) PHP Magic Functions [get,set,isset,unset]

**Program:**

<?php

/\*\*

\* PHP

\* Practical 5

\* Object Oriented Concepts using PHP

\*/

interface style{

function choosetype();

function choosecolor();

}

class ComputerStyle implements style{

public $type = "Home User";

public $color = "Black";

public function choosetype(){

echo "type :".$this->type."<br />";

}

public function choosecolor(){

echo "Color :".$this->color."<br />";

}

}

abstract class Computerno extends ComputerStyle{

protected $billno;

abstract public function setbill($s);

}

class Computer extends Computerno

{

public $config = array('serialno' =>'','company' =>'' ,'processor' =>'' ,'hdd' =>'' ,'ram' =>'' ,'price' =>'' );

public function setconfig($c,$p,$h,$r,$p){

if(isset($this->billno)){

$this->config['company']=$c;

$this->config['processor']=$p;

$this->config['hdd']=$h;

$this->config['ram']=$r;

$this->config['price']=$p;

}else{

echo "Generate Bill No. first </br>";

}

}

function \_\_construct(){

# code...

echo '\_\_constuct : "'.\_\_CLASS\_\_.'" class is initialized<br /> ';

}

function \_\_destruct(){

echo '\_\_destruct : "', \_\_CLASS\_\_, '" class is destroyed.<br />';

}

public function setbill($s){

$this->billno = $s;

}

public function \_\_set($i,$v){

if(isset($this->billno)){

$this->config[$i]=$v;

}else{

echo "Generate Bill No. first </br>";

}

}

public function \_\_get($serial){

return $this->config['serialno'];

}

public function getbill(){

return $this->billno;

}

}

?>

**Oocall:**

<?php

function \_\_autoload ($class\_name) {

$name = $class\_name.".php";

if (file\_exists ($name))

include $name;

else

echo 'Class not found';

}

$pc = new Computer(); //this will call \_\_construct

$pc->setbill("123"); //abstract method called, which must be implemented by child

echo "Bill no: ".$pc->getbill()."<br />"; //simple public method call

$pc->serialno = "4568"; //implemented by \_\_set function

echo "Serial No.: ".$pc->serialno."<br />"; //implemented by \_\_get function

$pc->choosetype(); //implemented by interface

$pc->choosecolor(); //implemented by interface

$pc->setconfig('Dell','i7','1TB','8GB','80000'); //simple public method call

print\_r($pc->config); //print array

echo "<Br />";

unset($pc); //this will call \_\_destruct

?>