Oumou Balde

BIS 31

Pr Tanweer

Question 10

December 20, 2017

**Question 10 Movie Class**

10.

Create a Movies class that determines the cost of a ticket to a cinema, based on the moviegoer’s age. Assume that the cost of a full price ticket is $10. Assign the age to a private data member. Use a public member function to determine the ticket price, based on the following schedule.

Age                  Price

Under 5            Free

5 to 17              Half price

18 to 55            Full price

Over 55            $2 off

**Class\_Movie**

**Code:**

<?php

Class Movies{

private $age = 0;

private $BasePrice = 10;

public function SetAge($age){

$this->age=round($age);

}

public function GetPrice(){

$retval=0;

if($this->age<5)

$retval=0;

else if ($this->age<18)

$retval=($this->BasePrice/2);

else if ($this->age>55)

$retval=($this->BasePrice-2);

else

$retval=$this->BasePrice;

return($retval);

}

}

?>

**MovieClassTester**

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict// EN"

"http://www.w3.org/TR/xhtml/DTD/xhtml1-strict.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<title> Movies Class Tester </title>

<meta http-equiv="content-type" content="text/html; charset=iso-8859-1" />

</head>

<body>

<h1>Movies Class Tester</h1>

<h2>For grading purposes only</h2>

<?php

$MinAge=1;

$MaxAge=80;

$MoviesClassThresholds=array(

array("age" => 0, "price" => "Free"),

array("age" => 5, "price" => "half price"),

array("age" => 18, "price" => "Full price"),

array("age" => 56, "price" => "\$2 off"),

array("age" => $MaxAge+1, "price" => "Undefined")

);

$ThresholdCount=count($MoviesClassThresholds);

$ThresholdIndex=0;

require\_once("class\_Movies.php");

$Ticket=new Movies();

echo "<p>\n";

for ($i=$MinAge; $i<=$MaxAge; ++$i){

if ($i>=$MoviesClassThresholds[$ThresholdIndex]["age"]){

echo "\*\*\*These tickets are ".

strtolower($MoviesClassThresholds[$ThresholdIndex]["price"]).

"\*\*\*<br/>\n";

++$ThresholdIndex;

}

$Ticket->SetAge($i);

echo "For someone age $i, the ticket price is \$".

trim(sprintf("%4.2f",$Ticket->GetPrice())).

"<br/>\n";

}

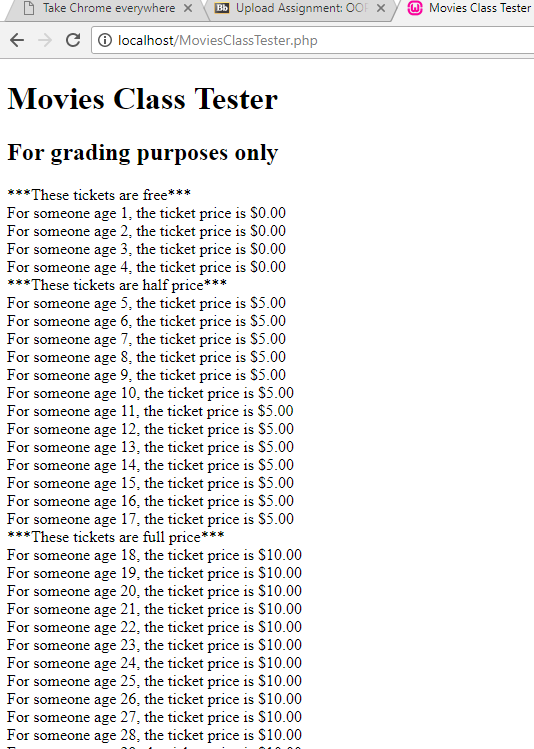
echo "</p>\n";

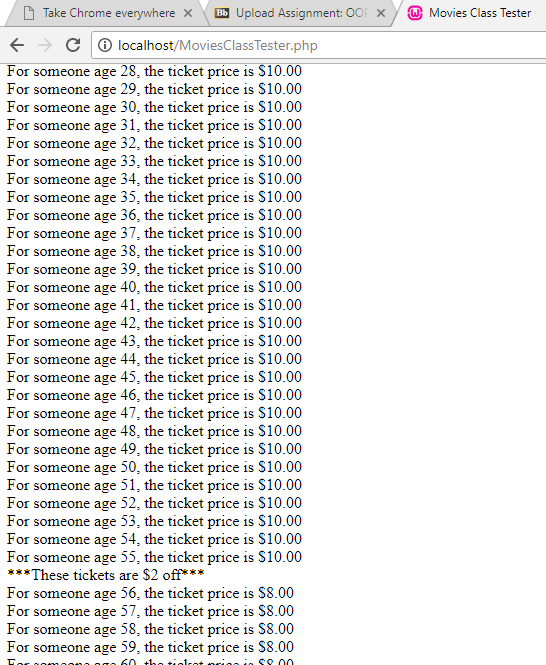
?>

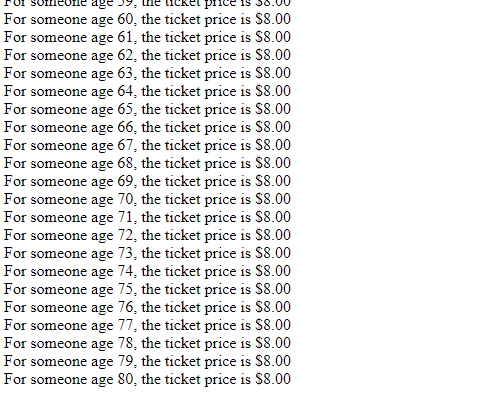
</body>

</html>

**After we run the MovieClasssTester in the server we have this Result**

****

****

****