OOPS Exercise – part 2

Note: your file name and path must follow below pattern

**Folder name:** php\_oops

**File name:** exe1.php, exe2.php etc...

**So your exercise location will look like** “domain/<your\_training\_folder\_path>/php\_oops/day2\_exe1.php”

## **Exercise 1**

Area Calculator

**Create one interface “Shape”** with method calculateArea()

Create two classes for Circle and Square which implements Shape

Circle class should have one constant “PI” that should be used in calculating circle area

**Create one form**

Ask user for selecting shape “Circle” or “Square”

Take necessary inputs for calculating area of a “Selected Shape”

On submit display calculated area of a shape

Example: “The area of a circle is 50.24”

## **Exercise 2**

Building Management

Create one interface FireExtinguisherInterface with method “setFireExtinguisher” taking one parameter as count of setFireExtinguisher (How many Fire Extinguisher)

Create one interface AssemblyPointInterface with method “setAssemblyPoint” taking one parameter as count of assemblypoint (How many assemblypoint)

Create one class Building

Properties: buildingname, fireextinguisher, assemblypoints

One static method: fireExtinguisherError(), which will return string “Hey Please have at least one Fire Extinguisher”

One method: displayStatastics() with no argument which will display output specified in expected output

Create one form which will take following inputs from the user

* Number of fire extinguisher
* Number of assembly point

If number of fire extinguisher is less than 1 then display error using static method, otherwise print output in following format

Note: Do not use any javascript validation in field “Number of fire extinguisher”, that must be validated from class itself

**Expected Output**

Building Name: <your building name>

No. of fire extinguisher: <no of fire extinguisher>

No. of Assembly points: <no of assembly points>