**EXPERIMENT NO. 04**

**Title:** OOP concepts in PHP

**Aim:** To understand and Apply the Object Oriented Concepts in PHP Language.

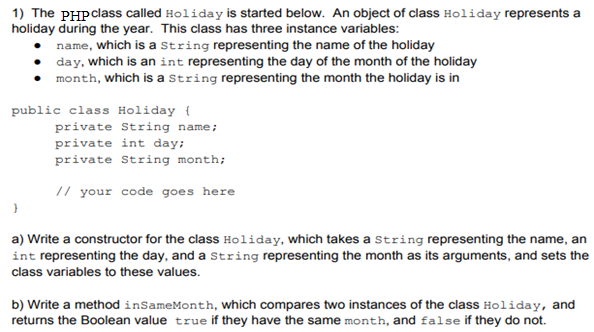
**Objective:** To implement the program on OOP Concepts in PHP

**Contents:**

* **Creating Class and Objects**
* **Accessing member function**
* **Access Specifiers in PHP**
* **Constructor**
* **Encapsulation**
* **Inheritance**
* **Interface**
* **Abstract Class**

**Problem Statements to perform in lab:**

**Problem Stmt1 : Class, Object and constructor**

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**Problem Stmt2 : Inheritance**

Base class Parent with static variable bank\_balance=1000 and two methods i.e Deposit() and Withdraw().

Method implementation is two argument, no return type where the money value is either deposited or withdraw from bank\_balance.

Create child classes i.e Son inherits the Parent class.

Create the 2 object and call methods Deposit() and Withdraw()

Check final bank balance at end. ( as per ur Deposit() and Withdraw)

**Problem Stmt3 : Abstract Class**

## Create an abstract class named Fruit, with a constructor function that gets the name of the fruit and an abstract function, color, that prints the color of the fruit. Create 3 child classes extending the abstract class namely: Apple, Orange, Grape. In these child classes, define the color function so that it prints Apple is red for the Apple class, Orange is orange for the Orange class and Grape is purple for the Grape class.

**Problem Stmt4 : Interface**

## Write a PHP class called 'Shape' with an abstract method 'calculateArea()'. Create two subclasses, 'Triangle' and 'Rectangle', that implement the 'calculateArea()' method.

**Conclusion:**

Write the crux of the experiment. Here crux means very important point, complicated and again it should be understandable by you. Do not write conclusion like thus we have studied the ……… in PHP programming.