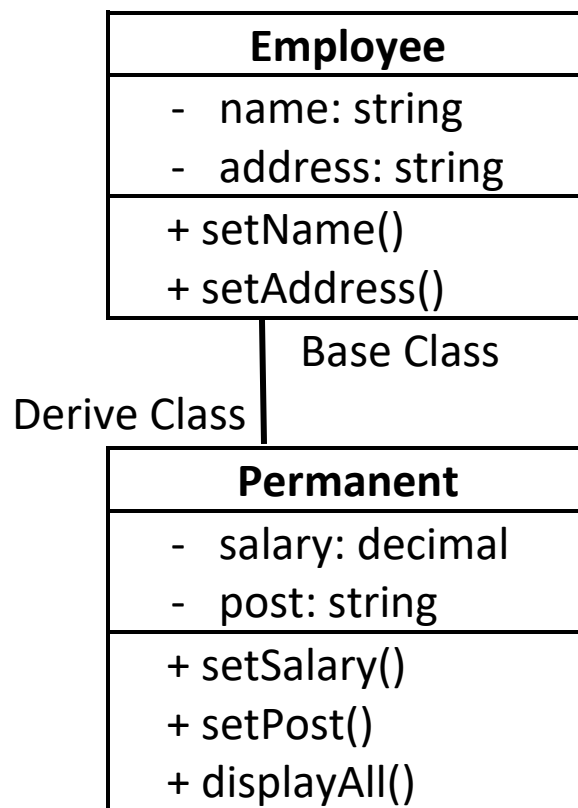


Lab-report on **Object Oriented Program in PHP,** **MVC, AJAX, jQuery, CMS.**

1. Write an Object Oriented PHP Program to implement the concept of inheritance in considering with following class diagram with use of constructor for 20 students.



And, explain multiple inheritance in PHP with an example.

2. Write an Object Oriented Program in PHP Program to demonstrate access-modifier.
3. Is it possible to make an object using abstract class in PHP? What is the use of abstract and interface? Explain with example.

4. What is function overriding in OOP in PHP? Explain with example. Document should be maintained with proper information of class, object, members (Properties and Methods), this.
5. Write an Object Oriented Program to demonstrate constructor, destructor, static and final keywords. The program should inherits constructor in subclass from base class. Document should be maintained with proper information of each keywords.
6. Explain polymorphism in OOP in PHP with example.
7. Write an Object Oriented Program in PHP to demonstrate **encapsulation**, list the advantages?
8. What is exception handling in PHP, demonstrate?

Reference:

- <https://www.php.net/manual/en/language.exceptions.php>
- <https://www.php.net/manual/en/language.errors.php7.php>

9. Explain MVC and its importance. Develop a sample project with MVC architecture and OOP program paradigm with routing and environment file use case.
10. Write jQuery & HTML code to use hide, show, toggle, CSS, click, change event and method.
11. Write PHP and AJAX code to check unique phone no from database.
12. Write PHP & AJAX code to display list of subjects from list of semester.
13. Why CMS? Write steps to demonstrate installation process of WordPress and Joomla (Print with installation screenshot, Please install project into your name folder)
14. Write steps to create menu and submenu using CMS (WordPress and Joomla).