**PHP Midterm**

1. What is the different between Interface and abstract class?

- Abstract Class: it doesn't allowed to create object, all the method or function in abstract class is no body, it using key word extends to inherit from super class.

- Interface: it was used to specific some method that is not related to other, it was using "implement" to inherit from super class. Using implement can inherit many super class. All the method in interface have to declare with public modifiers.

2. What is "parent", "Final", "Interface", "abstract"?

- Parent: is refers to the name of the base class (super class) as given in the extends (inheritance) declaration of the class (sub class).

- Final: prevents child classes from overriding a method, If the class itself is being defined final then it cannot be extended.

- Interface: allow you to create code which specifies which methods a class must implement, without having to define how these methods are handled.

- Abstract: it doesn't allowed to create object, all the method or function in abstract class is no body, it using key word extends to inherit from super class.

3. What is access modified "Public", "Private", "Protected"?

- Private: is used to hide the data member or member function from the outside world. All the member in this class only that can access and using.

- Protected: is mainly used with inheritance. A data member or member function declared as protected will be accessed by its class and its base class but not from the outside world. We can also say that a protected data member is public for the class that declares it and its child class.

- Public: provides the least protection to the internal data members and member function, which it allows the outside world to access/modify the data members directly.

4. What is the different between Implements and Extends?

- Implements is used to inherit object from interface.

- Extends is used to inherit object from normal class and abstract class.

5. What is constructor? Example writing code about constructor?

- Constructor is a special function of a class that is automatically executed whenever an object of a class gets instantiated. It has name the same class name. Start from PHP5 it was written \_\_construct ().

Example code of Constructor:

**+ PHP 5+**

Class ShowExample {

Public function \_\_construct () {

}

}

**+ PHP 4**

Class ShowExample {

Public function ShowExample () {

}

}

Note:

- Final Keyword:

+ preventing override method from sub-class.

+ preventing Inheritance from other class.