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Explain the PHP abstract classes, abstract methods, and interfaces!

Abstract class is a class where it has at least one abstract method. Abstract method on the other hand is methods that can only have names and arguments, ONLY. Abstract method is declared, but is not implemented inside them. We're not able to create objects from an abstract classes, but we need to make child classes and add codes into the methods that have been made beforehand, and from this class, we can create objects. The class that inherit from an abstract class has to define a method with the same name, redeclaring the method in the abstract class. But they don't need to have exact same number of arguments, they can have additional arguments. So abstract classes is the class that contains the methods, and abstract methods is the method in the class that needs to be filled by the child classes.

Meanwhile, interface is like a blueprint for classes. They contain behaviors that any class that implements this interface is expected to be. These makes it easy when you want different classes to act the same way. And methods inside an interface cant be implemented in code, so they're abstract. The classes that implements an interface isn't necessarily has to be like their child, a class can inherit from another class and implement an interface at the same time. While abstract classes can have properties, interfaces can't. And interface methods have to be public, but abstract class don't, it can be public or protected.

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