\*what are properties of object oriented system?

Answer- There are four properties of object oriented system-

1 encapsulation

2 abstraction

3 inheritance

4 polymorphism

1 encapsulation- the OOPs concept of encapsulation in PHP means, enclosing the internal details of the object to protect from external sources. It describes, combining the class, data variable and member functions that work on data together within a single unit to form an object.

2 abstraction- Abstraction classes and method are when the parent classes Has a named method, but need its child classes to fill out the tasks. An abstract class is a class that contain at least one abstract method. An abstract method is a method that is declared, but not implemented in the code.

3 inheritance- when a class derives from another class. The child class will inherit all the public and protected properties and method from the parent class. In addition, it can have its own properties and method. An inherited class is defined by using the extends keyword.

4 polymorphism- polymorphism is essentially an OOP pattern that enables numerous classes with different functionalities to execute or share a common interface. The usefulness of polymorphism is code written in different classes doesn’t have any effect which class it belongs because they are used in the same way.