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BIS 31

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Question

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**Question 9 OOP features**

9. Do a research on the Internet and Explain the OOP features of PHP (approx 200 words)

* The term “**object-oriented programming** (OOP)” refers to the creation of reusable software ooobjects that can be easily incorporated into multiple programs. The term “**object**” specifically refers to programming code and data that can be treated as an individual unit or component (object)
* The term “**data**” refers to information contained within variables or other types of storage structures7
* The functions associated with an object are called **methods**, and the variables associated with an object are called **properties** or **attributes**
* Objects are **encapsulated**, which means that all code and required data are contained within the object itself
* An **interface** represents elements required for a source program to communicate with an object
* In object-oriented programming, the code, methods, attributes, and other information that make up an object are organized into classes
* An **instance** is an object that has been created from an existing class. When you create an object from an existing class, you are “*instantiating the object”*
* A particular instance of an object inherits its methods and properties from a class—that is, it takes on the characteristics of the class on which it is based
* A **constructor** is a special function with the same name as its class; it is called automatically when an object from the class is instantiated
* The term “**data structure**” refers to a system for organizing data