Ans 1 Binding the data member and member method into a single unit is called Encapsulation. In Java class when private and the behaviour is there then it is called Encapsulation

When we use private access modifier then it is called data hiding.

Ans 2 Combine the data of our application & its manipulate at one place

Reduce the coupling of modules & increase the cohesion inside them

Ans 3 Setter : Setter method is used to set the value to the instance variable

Getter : Getter method is used to give the value from instance variable.

Ans 4 • this keyword is used with object only.
• . operator is used to access the member
• this keyword is used in shadowing problem when instance & local variable have same name & it give preference to local variable & result will be more clear

Ans A Class will maintan its data member and member question.

* It also provide the hiding data to outside world and provide only set of services.

Ans By doing our variable private so that outer world can't acess the data. and using that Private variables into methods. So that we can call and the data will also safe.

Si: if In a code we need to make our instance variable private but we can't use it directly. So we use these variable in the method. for implementing the variable and we call that method by creating on object in the main method and use the instance variable.