# Java Assignment Encapsulation

1. What is Encapsulation in java ? why it is called Data hiding ?

Ans) Binding of data and corresponding methods into single unit is called Encapsulation.

It is called Data hiding because it is used to hide the specific information in a code by using private keyword.

1. What are the important features of encapsulation ?

Ans) It is used to bind the data and corresponding methos into a single unit.

It is used to hide the data.

1. What are getter and setter method in java . Explain with examples.?

Ans) Setters :- This is used to set the method by name.

Getters:- It is used to fetch the value for the main method .therefore we used return type “int” like public int getAge().

Eg.

Class student

{  
private int age;

Private string name;

Public void Set Age (int age)

{

This.age = age;

}

Public int getAge()

{

Return age;

}  
public void SetName(String name)

{  
this.name = name;

}  
public string getName()

{

Return name;

}

Public void show()

{  
system.out.println(name+” “ +age);

Public class demo{  
public static void main(String[] args)

Student obj 1 = new student();

Student obj2 = new student();

Obj1.setAge(18);

Obj2.setAge(25);

Obj1.setName(“deeksha”);

Obj2.setName(“kiesn”);

Int stud1Age = obj1.getAge();

System.out.println(stud1Age);

Output

Deeksha 18

Kiesn 25

1. What is the use of this keyword explain with example?

Ans) THIS keyword is used to resolve the shadowing problem.

It is used when you need to tell any variable is instance variable.

For example consider the above code.

1. What is the advantages of encapsulation ?

Ans) Encapsulation is used in data hiding and data abstraction.

1. How to achieve encapsulation in java ? give an example.

Ans) Declaring the variables of a class as private.

Providing public setter and getter methods to modify and view the variables values.