Encapsulation con what is Encapsulation in Java? why is it so to alled Data triding?

One integralation in Dava is the building of data of

Methods Nithin a class, and its called data

hiding because is xestricts direct accept to the

integral state of an object, allowing controlled internal state of an object, allowing controlled accent to the as what are the Important features of Encapsulation Data hiding. (1) flexibility.

(3) Access central (5) Security.

(3) Madularity.

(6) Abstraction A-lain with an example. And > Getters & setters are methods used no object - oriented programming to access and maclify the private fields (attributes) of a class. public class Person?

public string get Name () {

xeturn name; } public void Set Name (string new Name) ?

this name = new Name;

an example use of this teyword explain with the day and is used to differentiate blw instance y variables and lacal variables with same name. public clark My clark & private int Value; public My class (int value) ?

this value = value; And December of Encapsulation?

And December of Encapsulation?

Controlling access. Desibility: Allaws changes to internal implemention without effecting external (acle.

3 Madularity: Organizex (acle into Sey - Contained units (classes)

9 Abstraction: Hidex (amplex implementation detained expassing only exential features. our How to achieve encapsulation in Java? Given an Ans make class fields ax private

De pravide public Methods like getters & settles Sample

Public (lavi Example &

posivate int data;

posivate int get pata () &

public int get pata () &

sotulus data;

public vaid set pata (int pew pata) &

this. data = new pata;