(3) Encopsulation

=) Greasoration is the process of binding dam(vorables) and the Gode that manipulates it (methods) into a single unit (class), and restricting direct access to some of the objects components.

· Key principles

Description

a) Private fields - Data is made private so it connect be accessed directly from outside

Public Getters Setters - Controlled access to private data is given using public methods.

c) class as container — Everything is wrapped inside a class- de core unit of chapsulation

public class class Name of

// 1. Private data members (variables) Private DataType fieldname;

1/2. Public getter method to read the value public DataType getfieldName () & return field Name;

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13 Public Setter method to modify the value qublic void SetfieldName (8 Jakatype value) of this. fieldName = value;

11 optional: You can add behaviour (methods) that
11 operate on private data.

public void someMethod () f
11 operate on field Indame

· Accessing Encapsulated Dalg

In another class or method

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Class Name Obj = new Class Name();
Obj. Setfield Name (value); // set value using setter
Sout (Obj. getfield Name()); // set value using getter.