

COMP 250 MIDTERM Cheat Sheet

by daisz via cheatography.com/163328/cs/36716/

using a package member from outside its package

must use fully animals.Dog qualified name myDog = new animalto use class (member) s.Dog();

this is from the animals package

- EXAMPLE

rName

changing static

change g2.msg if static will change g.msg

iava auto imports two packages ch src file

private String name; private int age; private double[] ter java.lang package the current package

create a deep copy in the constructor

condition for class to be immutable

if all fields only wao to are private assign values to fields through and no constructor mutator methods

if public or if fields are private and no set type is provided, its get or set mutable methods...its immutable

static vs non-static

static is from outside called on class: ClassName.methoclass dName() nonstatic is call from outside class: obj.methocalled on specific dName() object reference ClassName.vastatic from rName

static vs non-static (cont)

reference obj from obj.vaoutside class

g2.msg, g.msg

in patient class, overload the constructor by adding another one that takes as input age, name, temperatures of new patient

does it make a difference if we copy the elements of the input array, or just the address

directly

this field in static method

if field is package private, (no access modifier)

public class can access as long as classes Dog { String are in the same name';} package

> from class beagle, can access through d.name

overloading constructor

one takes no create two constructors in input, other takes input same class file

does a constructor have to initialize all fields?

no...other in java you fields will be cannot assign initialized by default value in default

static method access

if method is if method is not static. has static. has access to both class and access to instance variables class variables

public and static, not public is insufficient

the result of the new operator is

а Random randomreference Generator = new to the new Random(); object

methods; same package but different classes

we need to use name of class.method to access

can we access private field from constructor?

january no cannot, need getter 19 or setter...but the field second is initialized just not slide accesible

in what case do we try to leave fields public?

if they are constants

private vs public fields

private field is public field accessible only is within class in accessible which it was from written anywhere

package private is only accessible within class, or its own package...not accessible to world



outside class

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