Date
b) Static Varioble.
· Declared rising the static key word · Shared accross all instance of the class
· Shared accross all instance of the class.
used for class - level dato stored in Me that area
· It belong to the class itself.
· It belong to the class itself. · It is created at class leading time.
Og Class-level Access Modifiers
- posite - can be accept from any omes class.
- defaut (no modifire) - accessible only within the sum
Parkage
Mathod - land and it do
Method-Leverta access Modifire
pablic afformitte afformitte
private - accessible only within same class and
Duh clum of Even it is the last and
default Dub classes [even if in diff. packages]
DEMENT THE MOTIC MANNER.
- Non-accor rodifier
· Static was shown to have
· final (turing) HAUSZNS PALL OK MANTER TO
- abstruct
· Strict fp

Private, protected, static only bested class.

a) alefault · No Reyword used, i.e. the member is not explicitly marked with any access modifier · Accessible only within the same package · Not accessible from outside the package even by Sublancs b) protected · Accepsible within the same puchage. · Accessible in subclasses, even it those subclass are in diff. packages. · More permissive than defout, but still not as permissive as public. 5) Defautt Enstructor · It is a special typof method that takes no argumons
· Its automotically provided by the Java compiler

if no other constructor is explicitly defined in

the claim o It you define any constructor, the default construtor will not be automatically provided unloss you explicit definord super(1, unloss you expecify called another Constructor of the superdan.

Phypose

· Initialization of Bijoct with default values, i.e. When you create an object of a class using the agant construtor, Java will intralize the instance variable to she't default values

. In defult construtor you can create an object

without specifying any arguments.

· In case of in her; tunce, a subcloss muy roly on the defaut construor of a superclass. If the Duper Class has no explicit construted, the defat construdor is automatical invoked.

o It can be replaced with a use - define construtor

it defined.

6 a) Construdor

- A Constructor is used to intialize a new object of a class. It is cled automatically when an object is created
- . The name of the constructor must be same as the class name.
- · It does not have a return type, not even woid.
- · Construct can be over loaded
- It is not inherited by subclass, but a subclass can call a super class construtor using suport).

Date
10) Purpose of the constructor clan
o The Cantificular class allower you to be
charact the metadata of cons
as their paramarors, mought
· Constructor (lass enables agramic
op objects, mounty
Colorate dala cot fon nme
Tun be used to aller private
nroscited constrops,
e Many framework (like Spring hibernata) uses reflection and the construtor class uses reflection and the construtor class
uses toflection and the constant
to agnamicary mor
11) You can't directly accord a proted data members outside the package.
11) you can be suffiche the package.
You cash only accoss it by using:
You can't only access it by using:
· Reflection
- 10 / Xe (Morr)

D	ate	9	 iii	w	1	-	-	×	-	 1	-	_
					-			_				

a) Abstration
o Abstration hides complete implementations details and showing only the assential features glan object. It is use to simplify completing by hiding
details and showing only the essential
Acaturos gan object.
· It is use to simplify complexity by hiding
IN MAN LACAL VOUNT
· It can be a (nieved using abstrat classes) interfedes of anethod overriding. • It so cause on what an object does.
interfedes of anethod overriding.
· It so curs on what an object does.
b) Ep Cap Dulation
- It wropps data and methods that operate on that data into single unit,
operade on shot data those single unit,
and rostrichy accord to some of the objects
(om ponerb.
. It is used to project the objects state one
engule it's used corrocally
. It can be achired using access modifies,
· It focussos on how the objects of data is
protocted, who can accordit