# Java programming

# Access moditiers in Java:

There are two types of modifiers in Java

Access modifiers

Non- access modifiers

Access moditiers in Java specifies the accessibility of Scope of a field, method, constructor or class.

Me can change the access level of fields, constructors, methods & class by applying the access modifiers on it.

There are town types of access moditiers in Java they are:

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- 1. private
- 2. public
- 3. Default
- 4. protected.

private:-

The access level of a private modifier is only within the class. It cannot be accessed from outside the class.

#### Default:

The access level of a default moditier is only within the package.

It cannot be accessed from outside the package. If you do not specify any access level, it will be the detault

## protected :-

The access level of a protected modifier i's within the package & outside the package through child class.

If you do not make the child class, It cannot be accessed from outside the package.

### Public:

The access level of a public modifier is everywhere. It can be accessed from within the class, outside the class, within the package poutside the package.

There are many non access modifiers, such as static, abstract, synchronized, mative, volatile etc.

Access	within Class	within Package	outside package by subclass only	Outside fackage
private	У	N	N	N
Default	Y	<b>y</b>	N	N
protected	7	117 12 1310	<b>Y</b>	N.
public	y is all	y	1 14	y

The private access modifier is accessible only within the

Example of private cloud

class Ad

private int data = 40;

Private void msg()

l System out printly ("Hello java"); 4

Public class simple ?

public static void main (string [] args) } A Obj' = new A();

A obj = new A();

System. Out. prihtln(ob) data);

obj. msg();

example of Default

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package my pack; import pack:

class B1

public Static void

main(String angs C)

) obj = new A();

4

Example of protected Example of public fackage my pack; package my pack; import pack. \*; import pack . \*; class B3 class B extends A 1 public static void public Static void main main (string args []) { (string args ()) 1 Aobjenew A(); Bobi'= newB(), Obj. msg(); Obj. msg(); modities class Ad protected void misq () system out println ("Hello java"); y public class simple extends A? void mages 1 system. vut. privitly ("Hello java"); y public void main (string [ Jargs ) } simple obj = new simple 1); obj. msq();