- LIT specifies the access, from where data members function can be accessed.
- It can apply to class, method, data
- L 4 specifiers Public, Private, Protected, Default
 - 1. Public can be accessed from any where
 - 2. Poivate Enside a dans only
 - 3. Défault Inside same pachage
 - 4. protected -
- Refer sir's notes for sample code for access modifiers

Types of Inheritance

- 1. Single inheritance
- 3. Heirarchial inheritance
- 2. Multilevel inheritance cnot allowed in java

Final heyword

class, data member and member functions

- Final variable -> once data initialised, no change can be made
- Final method >> Final method can't be overroiden by child class
- Final class -> A final class can not be inherited

Abstract class & method

Abstract method - method without body or without defination

Ex class permo {
abstract void my fun (); // abstract
method

Abstract class

- Lan abs method can have zero or more abs method concrete method
- I 18 there is any abstract method in a class than that class will be considered abstract day.

Can we make a class/method final as well or abstract?

> No.

Ginal - It is final of can not be overmidden

y Abstract - It is abstract of it must be

overmidden in child class

y final - chass can not be inherited

y Abstract - class should be inherited, if it

is to be used

I we can store child class object in parent class reference type

obj = of second Ex: d First d second d Demo First +; of = new second (): < stored in second 4. fun(1(); P. fun 2 ();

- Any class reference type can heep the reference of, y its own object 4 reference of its child class object

Take a note from sir's notes 4

Binding

- Association (linking) between method call f method defination.
- L Binding takes place either at compiler or run time
 - all binding happens at a compile time then it & static binding
 - L Binding at runtime is dynamic binding.
- All final, private, static Binding @ compilato
- In method oversiding dynamic binding occur

Method Hiding Cotatic method overriding)

- c static method of parent class cant be overridden by child class
- I It can be done so by rediffining that static method with the come signature is method hiding

- compiler dedue for reference values' location

- Polymorphism

reeperanon

cmethod overloading 4 oversiding

L refer sir's program of different shapes

L'alling collarea & point Area method for multiple Shapes

Garbage Collection

c when object is of no use, that memory need to freed

a. which objects are eligible for garbage collecto?

4 The objects who reference are stored
nowhere

y for manual Intervention - System.gc() or

System. get RunHme().gc():