The This Rey word:

Sometimes a method will need to refer to the stigent that is a value of the java defines the 'this' key word.

This can be used inside any method to refer the Canaba with a horset. That is 'this' is

to the Carrest object. That is "And" is always a reference to the object on which the method was invoked.

Final ky word

A field Can be deeled as final. Daing so
berever to be something the above of a deeled of the server to the server of the server

It is a common coding connection to choose all uppercase identified for final fields.

FILE OPEN = 2;

Unfortunately, final guarantees immutability only When instance variables are primitive types, met reference dypes. If an instance restricte of a reference type has the final modefier, the value of that instance restricted.

Othe reference to our object) with never change it will always refer to the Sure Object, but the value of the object to the Sure Object, but The finalize () Method: action when it is destroyed. To handle such Situation, Java Jaourdes a mechanism called finalization. By using finalization that will. occur when an object to its just about to be sectained by the garbage Calle chan.
To add a finalizer finalizer to a class you simply define the finalizer or method. The Jamas sum time calls the finalizer or method on the 121 objut.

profed wards finally () { / finalization code here Construtory: once defined, the Constructors is automotically called the an the object is created, before the new operator completes. Constructions book a Little Strong because they have no test network type, not even void. This is because the implicate notion type of a class , constructor is a classtype it self. In the live Bon my Boul = new Bou(); new sour is calley the tenstrute construte BOX();

Inhoritance and construction in Jana In Jours, Constructor of box Class with no organization gets auto motifically called is desired class borstructur. For encumple, sutput of the following program ging Sdow 10. Base class Constructor Culled Colonel Class construction Celled. The nara Mary. Jana Class Base & BOX OF Sout l'Base class Construction Called ?? Class Dormes Contento Baix £ Dermed (1 } 3 Sout (" Dorined class constructor allet) &

public Chars ham & broker static void much (Struy 53 args) {
Daniel of 2 new Donniel (); does not tratter if we declar it is the classes rut If we inhant a close, then the desired Class Must Call its Super class constructor. It is done by defaut in distinct classo If it does not have of default construction is
the desired class, the Jun will innohe
its desput construction by default.

Class Construction by default.

The have of postameterized construction is
the desired class Still it calls the default Super Class Court rector by default.

In this case of the super closes does not have a default constructor, justed it is has a forumationized constructor, them the defined class constructor should esophicity call the parameterized super class constructor. Package Packages are containers for classes. They are word to keep the class none space Compostmentalized.

For example - a backage allows you to
Greate a class numed list, which an strong
is your own package without as Concern that
it will added with as some other class numed
but stoned classhere. Packages are stoned
in a hierarchical pass manner and are
lapticates explicitly imported into now class
defination.

The package to both a narring and a visibility and mechanism. The following statement creates a package Called hypothage:

bothage my Parkage: For example, the class for any classes you delare to be part of my powery must be strong in a disentary called proporting . Remarked that Cox is significant, and the directory name must mostly the package num enough. A pairing historichy must be reflected is the fair escarple of gover Jana development system. package Tava. out images. needs to be stoned in jaw and image in a for ion amount Bo swe to was choose your backage names confully

Her cannot renow a package Lithard 200 = storulo How does the Janua nun-time System know where to look for packages that you creat? The ary was has 3 Parls-> - First - by default, the Jaw Funtire Soot System uses the current working directory as it's Standing point. Thus if your package to to a Subdirectory of the current directory it him be pound. - Second - you can Specify o directory posts of paths by setting the Class Path & CLASS PATH environmental volvables Thord. You can my the - class puth of the path to go your clancer to specify the path

When a package is imposted and those items
within the pourage declared as public
be available to non-subclass is the imposting
code.

Static:

Lin a Member is declared Static, it can be accessed before any object of its class are created and without any reference to any object.

you can do chare both methods and voriables to be state.

The most common energie of Static & man (),
man () is declared as stratic because it
must be called before any object exact.

Static method to Jam is a method which belong to the class and not to the object.

A Static method can occur only static duty. It commot access non-static dustre Cinitary variable) A non-stadic member belows to an Instance. The meaning meaningles whom some how sending thick instance of a class you one talking about. In a stodic content, you don't have an instance, that's him you can't allers a non static member Lithant enthologity mentioning on object references In Jour you can a way a non static member on a static member on a static member of specifying the object superen, employers: possible Class Harries & Stary merson " Hells wretale"; System one from Chamas neway 5 public state north main estring es angle Hunal mens ay = "Kural"s mensy, ng Human display (know);

Owhola (unul's message" . A State a mother can call only other state methods and comment all a non-static

reshood from it.

A Static method and be accessed chreatly by

the class name and delegate need any object

a N Static method connect refer to "this "os Supper keyword is anyway. If you new to an
intelling your static variance
declare of Static block that gots every
encestly one, when the Class is fill board.
Themes struct Static variable, restrict that is If you new to do computation is while to initialize your statiz variables, you can declare of States block that gots executed 11 Deman Struct Stutic variable, Mother und blocks Static word much ? who) & Sand ("no"+ 2)5 Sow ["02 " +0,7 Sou (" 2" + 67")

Stuty & Sout PM Stute block instrukey ") 3 22027 buton stury word man / Odsing why 707)} mem (42); AS SOON us the westoods Class in boald all the state downs gove statements Oty Jun, Biru a is set to 3, then the static block excepts , which Dudo a rewage und the initially b the 0x4, 0x12 oThen man or is call play Culls mut (), parsty 42 20 The three But in (19) Stationals rules is the too two State valuable a and by us melles the local valvally my n owhent 3 State block instralized north 423 6212

Note: mun Method is state, Since It must be a curstible from an application to nun before any instantiation takes place. Mote only nested state chance can be static Note- Static inner clause can how statice whatle you can't ownered the inharted state methodis is Jorn surraiding takes place by resolving the type of object at sun-time and complete Compile time and then Calling the suspective method. Statil Methodo oru class Laudo methodo, so it is static Interface Methods are not inherited by

enther our implorating (loss as a sub-interface.

Note: public class Static & 11 clay fort 11 ERROR Static class text & Stry nary; public Test (Stang nuru) & this name & nuru; public static void vous (stainy ages [7] &

Test 2 = new Test ("land"): Text b= new Text ('Rum); System. sus. phindles (Donare) // Rumal System. sus. phindles (Bonare) // Rumal

Because: The Static was leggered may mountly the declaration of a member type C within the body of a non-inna class or interface 7. The effect is to declare that C is not an innor close Just as a static method of T has no Cussent instance of 7, not does it have any 8 less ically enclosing most ance s. Hore, Fest does not have any instance of its But man & Test cur bess have instance of work other.