- By trighteering animutyan.

y Manaki nachina datatype ni create cheyadaniki classes

s clar names first cap lettle undali Chaishop.

+ Constructor: - oka class ki object create chesinappude
estod adhi automatatic ga call iyidhi

as class name:

shop strong pred

+ Method Overloading:

same method name but it should be different in any one of the below:

-> no of parameters

that ype of parameters

-) Order of parameters.

> Method Oueraiding:

Same method name with same number of parameters.

@ overside - annotation, chestadh parent class method ni child class method overside

Types of Enheritance.

Single Multiple Hierarchical tryforid Multiple

Single Single Single Single Can't inhelit multiple class

diplay!

Algebray!

Algeb

```
Interface: (implements).
    Multiple inhesitance rosam vachindhi interface.
    -)-All variables should be initialized in interface
     I method should not have body
     -) trepy method should be overgided in child class
  Inner classes:
       class lopala clan.
    clan chaishops
    String branch Name 2" Boom".
        class Tikka &
          String yevasikiz"nake",
    · class Main f
        Psvm(sacj);
           chaishop by new chaishop().
           Sio. ph (bi branch Name),
defect -> Chaishop, Tikka th=b1. new Tikkal).
 inner in Sioipin (thyeraixi).
            and Simple Afford South Experience
  Java Packages:
  Data Modifiers,
     Accer Modifiers - public, protected, default, private
     - Non-acces modifiers.
         -Static *
         - final *
         -abstract *
        - Synchronized
        - volotile
         transient
         - native
```

static is variables class ki belong the object to tadhe. -) static methods static variables ne access cheyagaladhu. so, non-static variables ni accese cheyaledhu. - Static Prince classes ti vadochu. Outeq main class ti prasiables. proethode. Pagent pc znew child() aeference Object. > # time lo vagiables davalante parents ve print ithay I methods unte over side chesi child method mi print chestaadhi. Et in case child to method letapothe pasent ye print chesthadh: today today -) static methods court be overgided. 202 Final: I dinal ni ota vasiable ti peditte danni modify chyden extinal int b25. - Aways initialize final variable. I final methods court be oversided I final classes cannot be inherited or extended. -Abstract, I class di abstract ani pedithe daniki object create cheyalem -) abstract class to both abstract & concreate (normal) methods untay I abstract methods must be oversiden when they are extended by other cloner.) abstract methods ni only abstract class to ne createchegali Wormal class to create they atudable. Vynchronized: + Race Condition Volatiles no caching, take variables from memory + transient: code ni byte steams lo store cheyadanni socialization antaqu. 3. Descrialize reverse

-) ota vasiable ti transient ani pedithe, and daniki Striealize cheyadhu.

Mative i declares a method implemented in language like con cop

teatures of DOPs:

D'Encapsulation: oka classo ni create chestham by using variables & metto de legales

-) Private vagiables ni modify cheyadaniki getters setters ni use chestasu.

a) Abstraction: hides implementation details.

-) achieved using abstract closes of interfaces.

3) Polymorphism;

CTP (Method overlocking) RTP (Method oversicking) 4) 8 nhealtance:

e) Dynamic Binding - RTP:

Constructors in Inheritance:

Superco !-

parameterised constructors . & non-parameterised constructors. Default constructors.

Singleton class:

Et pris a class that allows only one object to be created

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- constructor ti private pedithe, object create cheyden a class di bayata. class lopala create cheyals