Abstract classes In JAVA Types of Adostract class classes De Concrete class -> normally created class class helloff abstract class helloff Willy brows busted by = this above is a example = = this above is example of = of abstract class abstract dass concede -> you can't able to create objects for concrete classes where you do it for concrete class but creation of reference is allowed helloz q; it is allowed heloz a = new helloz); is not allowed. I for o concrete both are allowed. You have to learn things (A) abstract method (B) Abstract class abstract method is a method without having a body and has keyword abstract obefore return type Ex: abstract void hellowald(); + helloworld function don't have body I Abstract methods can be defined as undefined methods) If a something in dass is not a abstract that is any data member of member function/method is abstract whole class is abstract you have to make it abstract else it will give error -) A abstract have 0 or more abstract method -) so when we need abstract dassey all abstract are meant only for inheritance

If you can declare a fin dass as abstract but If you want to declare a concrete class having abstract class as it's parent you have to do method overriding for all its abstract method. abstract class parent! to abstract uoid hell (); Boophon 1: ophon 2 class child extend parent 2 abstract o public void hell) child extend (abstract class I child extends parrell a (ode abstract void her ()2 now hollost, is not allowed o concice the distallound you have to lear in thing (A) abshad method (B) Abshad now child is concrete class as it des declared abstract function with method overrida Else you have to create a abstract class. -) overriding is not compulsion her) Here for concete child clasy you can create bollo objects. also you can reference it parent abstract class With that child (Dynamic method dispatan) Compado Irospo -) Dynamic method disputch can be used for abstract duss Parent q= new childo; where parent is abstract & child is consiste class

a) Also a child can access functions ingide parent normally as we do for concrete parents 2 If you're working under some project 4 you have some goals 1550 we can occute abstract class + stree the function goals as function 4 when we doing implemelate just declare fun) you ton dedone functions inside abstract dass 4 wilk code in child body -) ea for each dild you have to do complete coding for all the codes abstract tunction even if one abstract function is not overrided it will give ever. -) If you want some mandatary function in class say for polygon areas primeter so you can do it with abstract dassey a) see code 4 notes in abstract class folder -) An abstract dass also can have a constructive @ Rules to abstract dass abstract will new become static or head functions -) abstract class only meant for inhertance