1) Intenface Vs Abstraction

> Intenface:

Intensface is a collike a contract which must be fullfilled entirely. We can use intenface some strict Rules must be followed.

& netoMan - -

Now consider a scenaria for example a Interface called Tea-maker has abstract method like bringwater ();

boil water ().

Now a class self-man must implement all the method of TeaMakers interface To Mar serve a cup of Tea Missing one on two method then It is not possible to make a cup of Tea.

Code: intenface leaMaken & bring Water (); void boilwater() void add_TeaBag() void add Sugar () void Serve Tea(); Sells Man implements Tea Maken } intougan Amount! Public void Set_Sugar amount (in/SugarAn) "

this. Sugar Amount = Sugar Am 1 Public void bring Water () { System. out. println (" Bringing Water) public void boilwater() } System. aut. println ("BoilingWater ").

public wid add Teabor () 3 System.out. proindly ("Adding Too Bog"); public void add Sugar () 2 10110 System.out.println ("Added sugar" to this . sugar Amout + "tea Spoot) aceranio hat public void serve Tea () & System out point in (" Take your Tea . ") Public class TestIntenface & Ston SHAMING public void static void main (String [] angs) sells Man tea = New Sells Man(); tea. bringWater() tea boil water () y ! () bon bion tea. add Tea Bag () tea set Sugar Amount (2): priso tear add Sugario, 1 tea. serve_Teac)

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> Abstraction:

abstract classes one the eat class which can contain both abstract an concrete method.

Now a consider a scenario that

a painters cises colours to

Paint. He use Red, blue

etc. colour main common but

some times he needs to

no make other colours as

pen demand.

Bo letis create a abstract dos'Coulours! which will contain void ned (); void blue (); as concrete class, as they are being used often.

Course is the

JT-22046 Also make abatract method. acalled 'make your Own Colour (); to make the custom colour. code: abstract class colours & int ned green, blue; abstract void make burdwn (int med, int green, int ship void ned () & System.out.prihtln("Red painted") void blue() & system.out. println (& Blue painted). public static void main (string) Painton p= new Painten) p. blue O. (600 691 601) anal grang and Extra 3.

TT- 2204 6 class painter extends Colours & void make your own (into red, int green, int blue) s this red = red; this green = green; this, blue = blue System.out. println (" New colour Painted with red! 4 + ned + 4, green + . --) Eystem out priblin ("Red paint I" Public class Test. Abstruction Public Static void main (String I Tang s) Painter p= new Painter () P. red() P. blue (); P. make Your Own Colour (100, 150, 200).