Hirerachy has-a (Associtaion) Dependent Dependency is-a (Inheritance) Parent Child Association -> If Object of another class required to be created multiple times inside your class Inheritance -> If object of another class required to be created only once inside your class PrintStream class Date{ class Person{ System day,month,year name, mobile class Employee extends Person{ id, salary; Date doj Date dot Date dob; # Final - Variables - Fields - methods - class stack heap d1 month Date d1 = new Date(); day year 0X200 Date d2 = d1; 2001 1 1 0X200 new Date(); d2 d1 = = d20X200 d1 day month year 0X200 2001 Date d1 = new Date(); 1 1 Date d2 = new Date(); 0X200 new Date(); d2 $\overline{\mathbf{V}}$ day month\(\psi \) year √

2001

new Date();

1

0X300

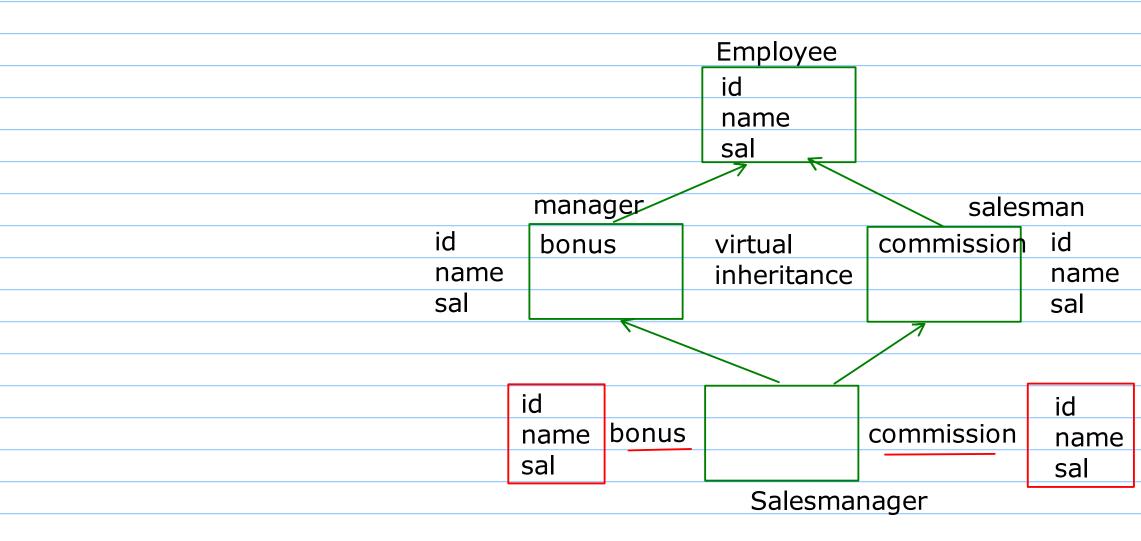
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Interface till java-7

- It provides set of protocols/specification
- To group unrelated types together

10 group amelacea cypes cogetific			
- To avoid fragile base class problem	Serivce Provider	isimark{	Serivce Consumer
		safety1()	
		safety2()	
		safety3()	
		}	

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Class	Abstract class	Interface
- It can have non static	- It can have non static	- It cannot have non static
fields	fields	fields
- class can have only	- It can have abstract as well as	- It has only abstract methods
non abstract methods	non abstract methods	
- It can have a ctor	- It can have a ctor	- It cannot have a ctor
- we can instantiate a class	- we cannot instantiate an abstract	- we cannot instantiate an interface
	class	
	- Used to group related types	- Used to group unrelated types
	together	together



Marker Interface

- An empty interface is a marker interface
- It is used to proved the permission or to add the extra meta data/information in your class

