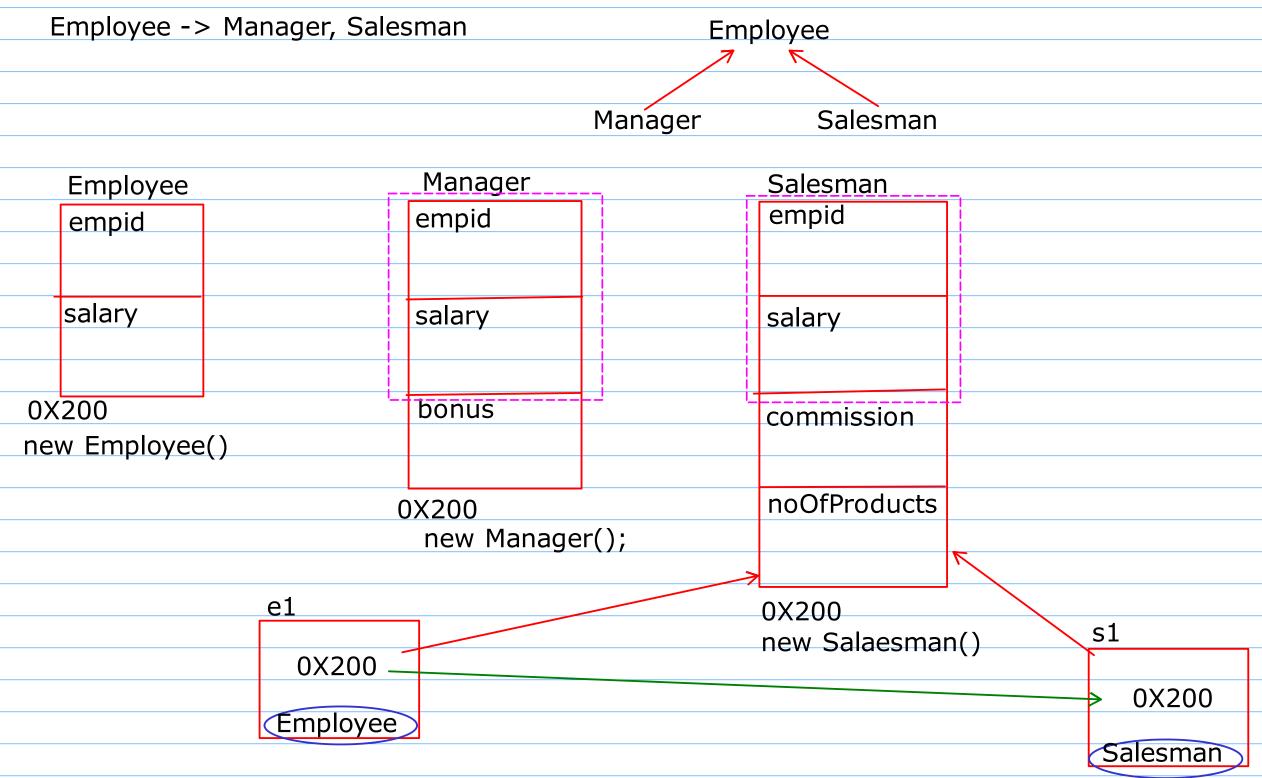


Method Overriding

- Its an example of RunTime Polymorphism

Rules of Method Overriding



Polymorphism

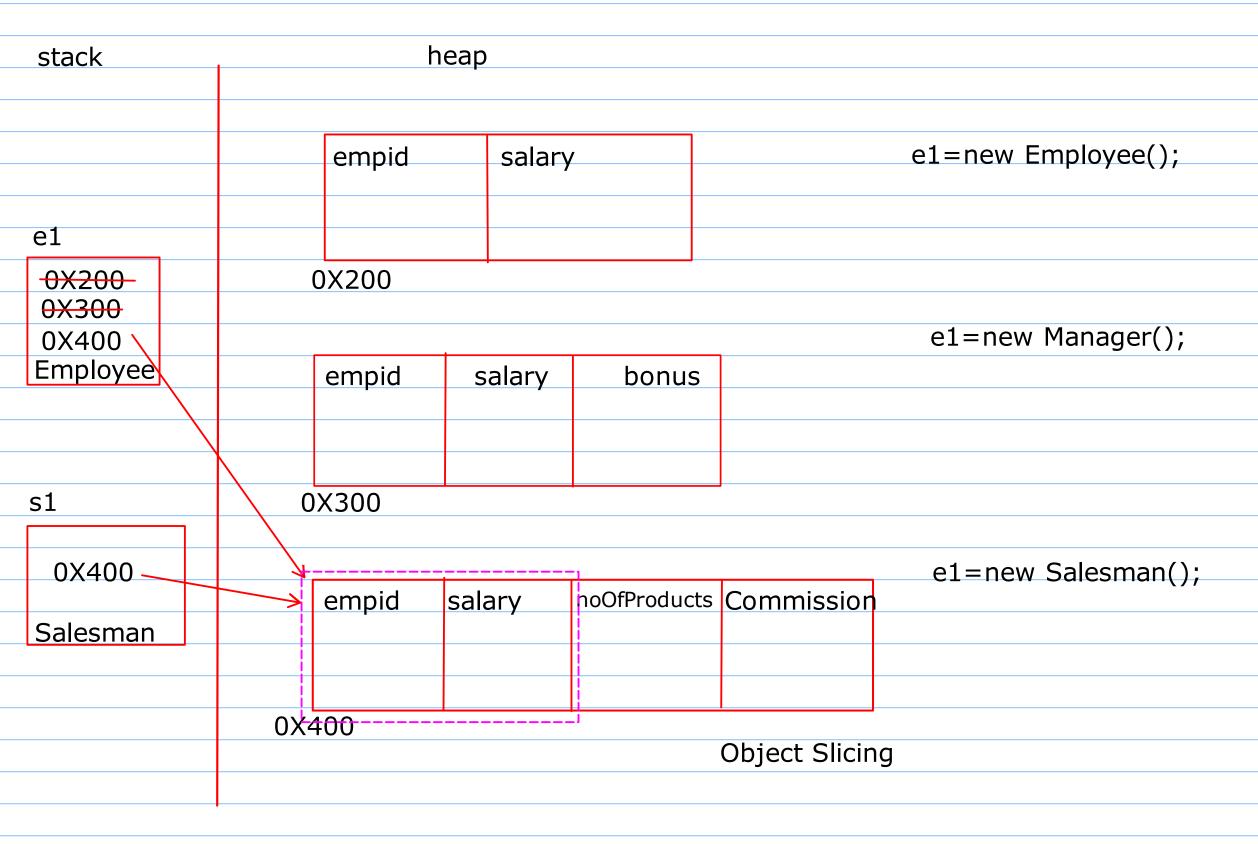
- One entity that takes multiple forms
- types of polymorphism
- 1. CompileTime
 - Method Overloading (name of method-> signature is differnt)
- 2. RunTime
 - Method Overriding (name of method -> signature is same)

Upcasting

- Storing the object of subclass in the super class reference
- When upcasting is done the super class reference can only call the members of the super class inherited inside the subclass, this is called as Object slicing

Downcasting

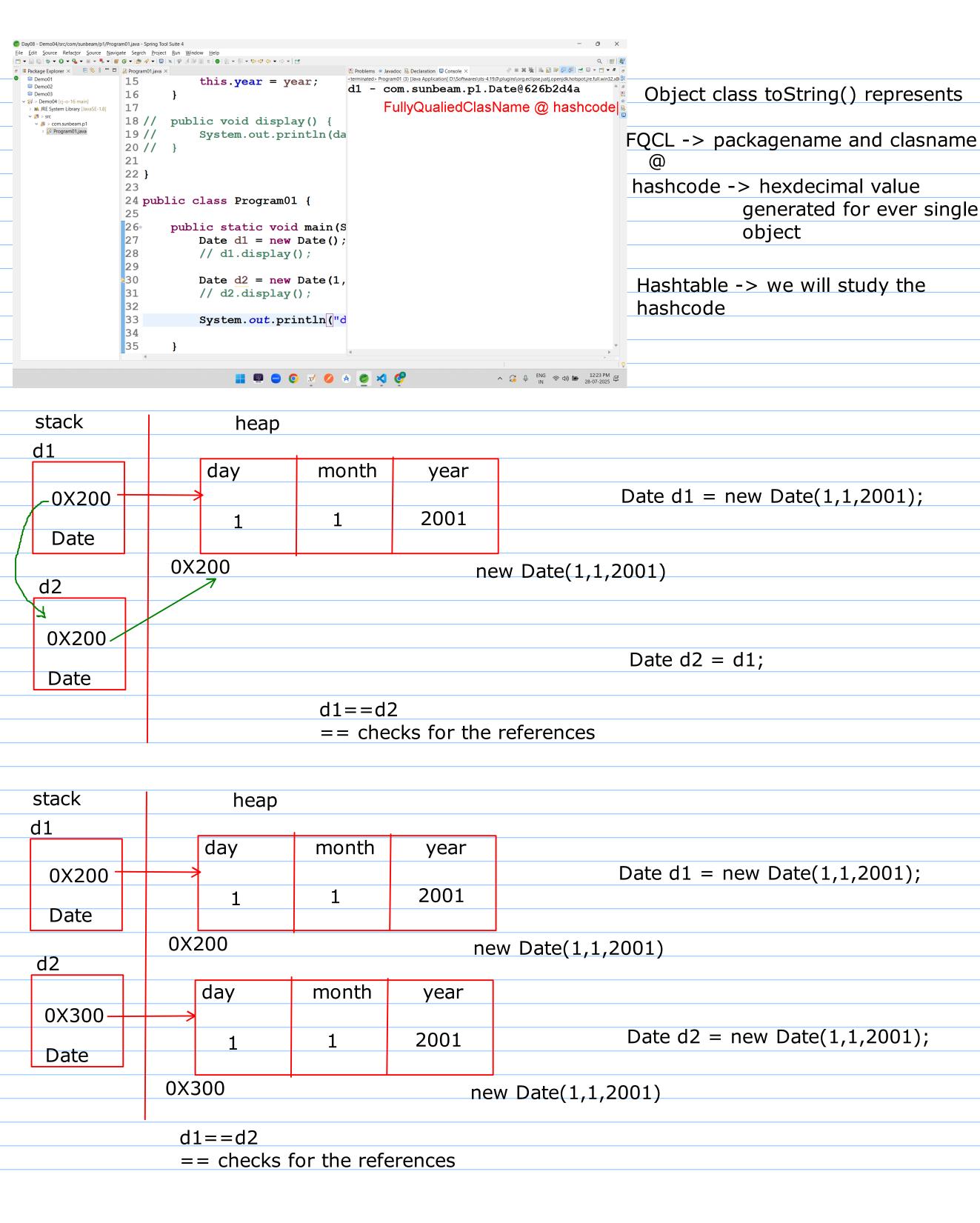
- Converting the reference of super class into the subclass reference
- While downcasting explicit typecasting is mandatory

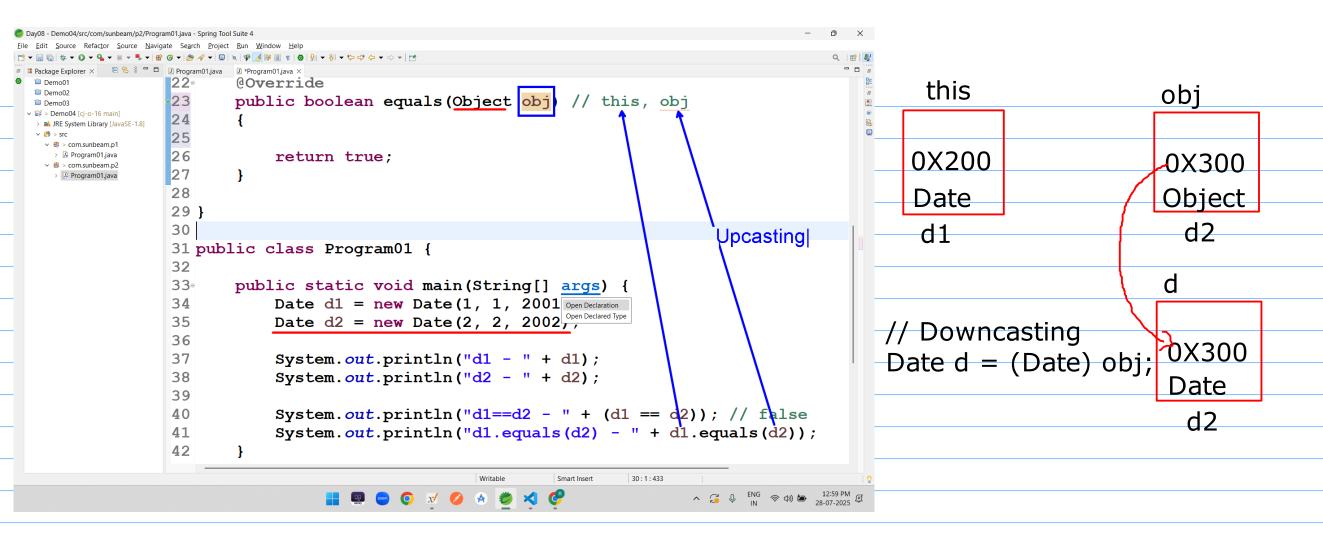


Emp ref ->emp,manager,salesman (emp obj is present in all these classes)
Salesman ref -> salesman

final

- variable
- field (field/Object initializer or the ctor)
- method (100% complete) cannot override such methods
- class (100 % complete) cannot be extended





Java 7