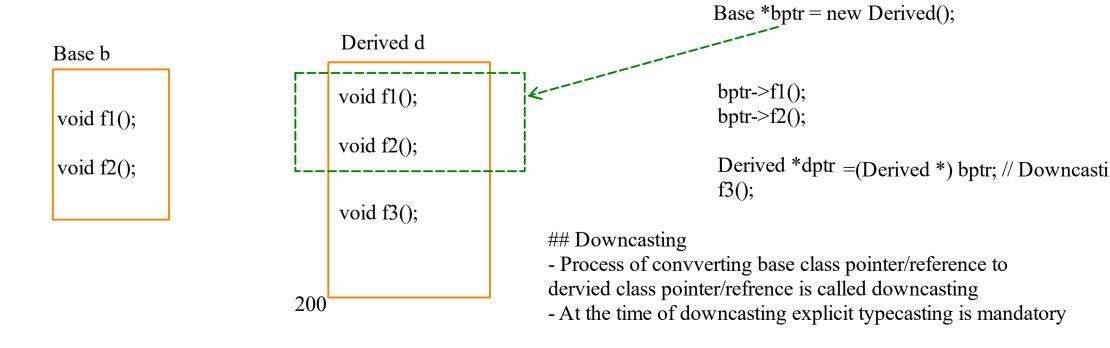
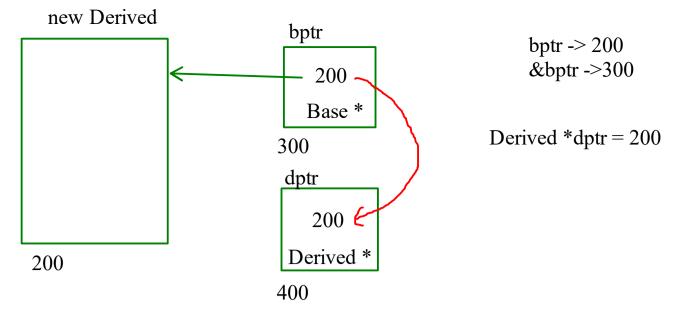


##Upcasting

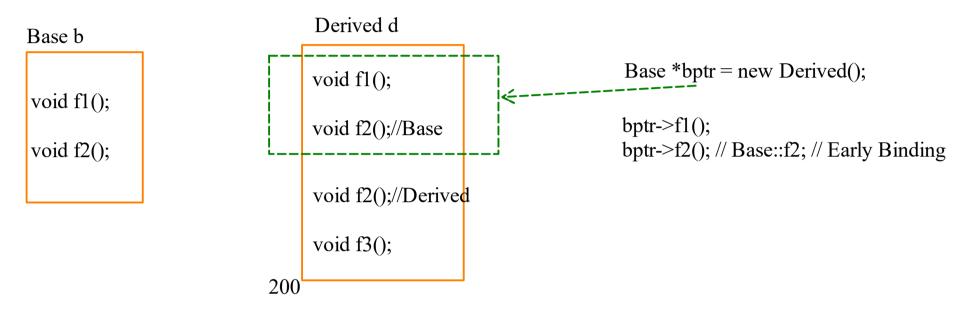
- Keeping the object od derived classs into the base class pointer or reference is upcasting





Function Overriding

- Redefining the base class function once again inside the derived class with same name and signature is called as function overriding
- function overriding is an example of Run time polymorphism

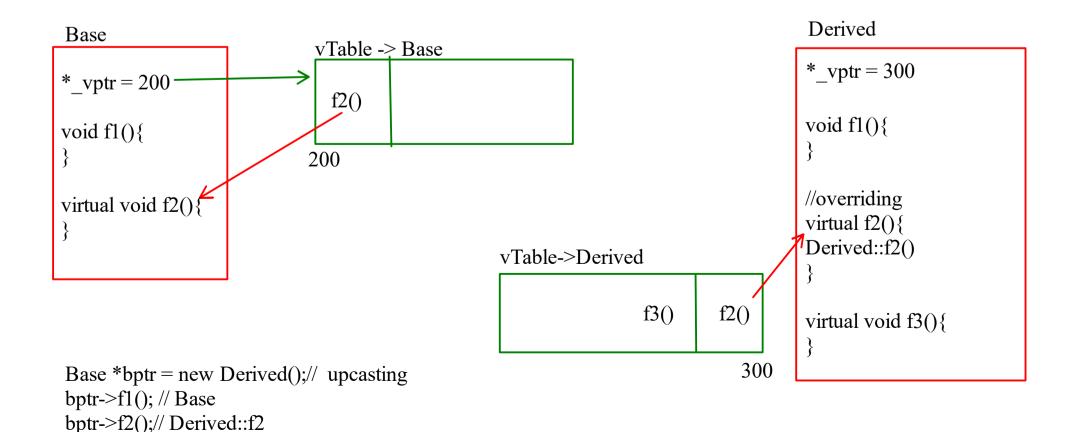


Early Binding

- A call to a function is resolved based on the type of pointer, it is called as Early Binding Late Binding
- A call to a function is resolved based on object that is created then its is called as Late Binding

Purpose of overriding

- Base class member function is 100% incomplete
- Base class member function is partial complete
- Different implementation from the base class function



Virtual Destructor Shape int main(){ Circle is-a Shape Rectangle is-a Shape Employee e1() menu() 0. exit e1.setId(); 1. Add Employee 2. Add Student RTTI -> Runtime Type Information 3. Display All Employees 4. Display All Students type_info 5. Find Student 6. Find Employee