

new Derived()

0X300

Why to override the function?

- If the implementation of the base class function in 100 % incomplete
- If the implementation of the base class function is partail complete
- If you want the implementation totally different from the base class implementation



Base Derived *vptr -*vptr-Base::v_table f1(){ Derived::v table f1(){ f2(){ Base Base f2(){ Base Derived virtual f2() // { virtual f2(){∠ Base Base virtual f2() {</ Derived Base b; b.f1(); b.f2(); f3(){ Base *bptr = new Base(); Derived bptr->f1(); bptr->f2(); // Base::f2() Derived d; Base *bptr = new Derived(); // upcasting d.f1();d.f2();d.f3(); bptr->f1(); bptr->f2(); // Derived::f2() Derived *dptr = new Derived(); dptr->f1();

dptr->f2();

dptr->f3();

Advanced Casting Operator

- 1. dynamic_cast
- 2. static_cast
- 3. reinterpret_cast
- 4. const_cast

Person * p[10]; for() Add Employee Add Student Display All Person Display Only Employees (typeid())
Display Only Student (typeid()) findEmployee() findStudent()