

# CASTING & MEMBER FUNCTIONS

Locating and calling functions within inheritance hierarchies

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### MEMBER FUNCTIONS & INHERITANCE



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### MEMBER FUNCTIONS & INHERITANCE



foo\* p1 = new foo;

```
pl->functionl();
pl->function2();
```

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### **MEMBER FUNCTIONS & INHERITANCE**



bar\* p2 = new bar;

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### MEMBER FUNCTIONS & INHERITANCE



foo\* p3 = new bar;

```
p3->function1();
p3->function2();
```

## FUNCTION BINDING

- Programs may have multiple functions with the same name (overloaded and overridden)
- Function binding is when a function call is bound or connected to the correct function
- All of the examples illustrated here demonstrate the same kind of binding
  - Compile time binding
  - Early binding

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• Static binding