Polymorphism

- Refers to having many forms or shapes
- Polymorphic functions operate on many different types
  Ex. A sort function that only cares if type has a less than (<) operator
- Polymorphic types ("genericity")
  Ex. A list definition that can be used for any kind of class

Why Polymorphism?

- A form of generalization
- Allows reuse of code within a program
  - Only have to write one
    - List class
    - Sort function
    - Binary search tree class

Polymorphism in C++

- Polymorphic functions
  - Through inheritance
  - Operator overloading
- Polymorphic types
  - Template classes