

CSE 3302

Lecture 7: Polymorphism and generics
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Polymorphism

“poly” = many

“morph” = shape

Allow a variable to contain values with different types

Subtype polymorphism

- OO languages support subtype polymorphism
- A variable can contain an instance of a subtype of the declared type

```
Number x;  
x = new Integer(17);  
x = new Float(2.718);
```