codecademy

Generics and Collections

Universal (Generic) Algorithms

When using generics in Java, universal (generic) algorithms can be created for different types.

Generics

In Java, generics allow classes and interface types to be used as parameters to define classes, interfaces, or methods.

Benefits of Generics

In Java, generics allow for stronger type checking and bug detection at compile time.

Diamond Operators

When using generics in Java, the diamond operator (`<>`) is used to declare the type parameter.

super

When using generics in Java, the `super` keyword is used to define a lower bound type on a wildcard.

Wildcards

In Java, the wildcard (`?`) is used to specify an unknown generic type parameter.

extends

When using generics in Java, the `extends` keyword is used to define an upper bound type on type parameter

or wildcard.

Wrapper Classes

Wrapper classes are provided to allow primitive values to be used with generic code.

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