

Tuesday, 03
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Crux

Data Structures -2

Stacks and Queues

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Generics

Generics

1. Allows us to create one method which works for many type of objects
2. Why not just use Object class for all parameters? Run time errors?

Lets look at an example of
Generic class

Generics

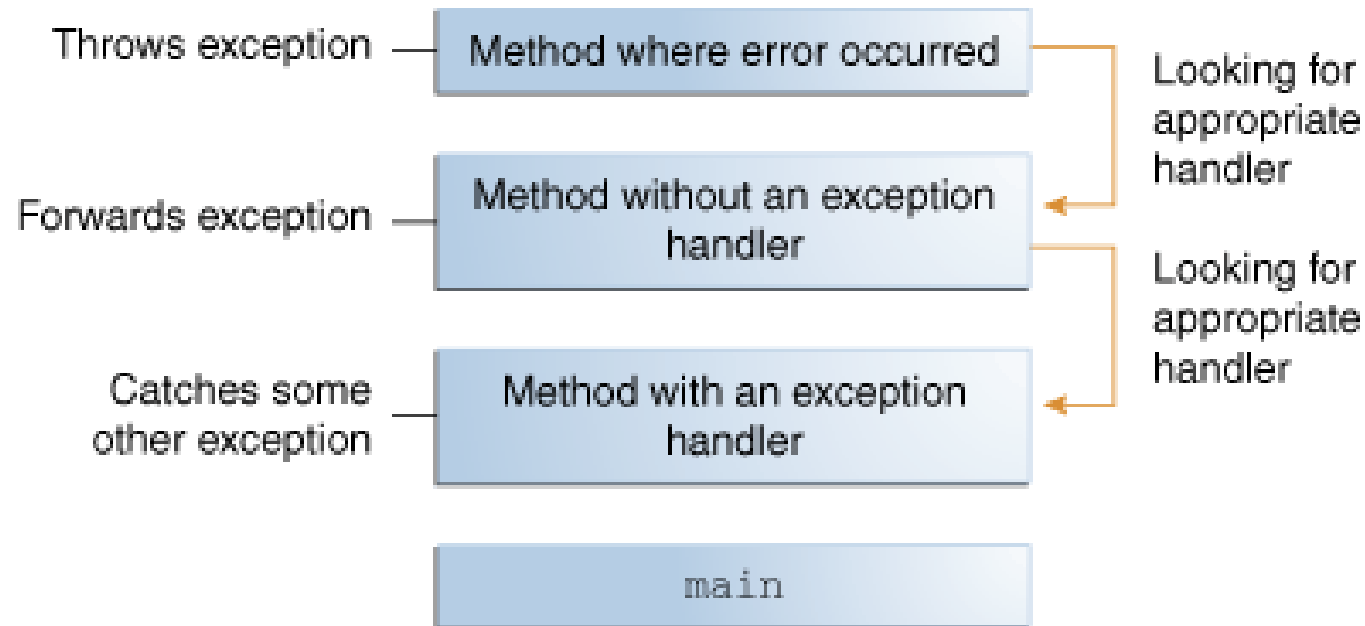
1. Instantiating a Generic class
2. Multiple Type Parameters
3. Multilayer Generic Parameters
4. Raw Types

Generic Methods

How to bound the allowed types?

Exceptions

Exceptions & the call stack



Type of Exceptions

1. Checked Exceptions
(`java.lang.Exception`)
2. Errors(`java.lang.Error`)
3. Runtime Exceptions
(`java.lang.RuntimeException`)

Either Catch or Specify

Try catch and finally?

How to throw Exceptions?

Throwable?

How to create our own Exception Class?

Your Turn

1. Generic Stack with Exceptions
2. Generic Queue with Exceptions
3. Generic LL with Exceptions



Thank You!

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