

Collections

Core Java Day 5

References





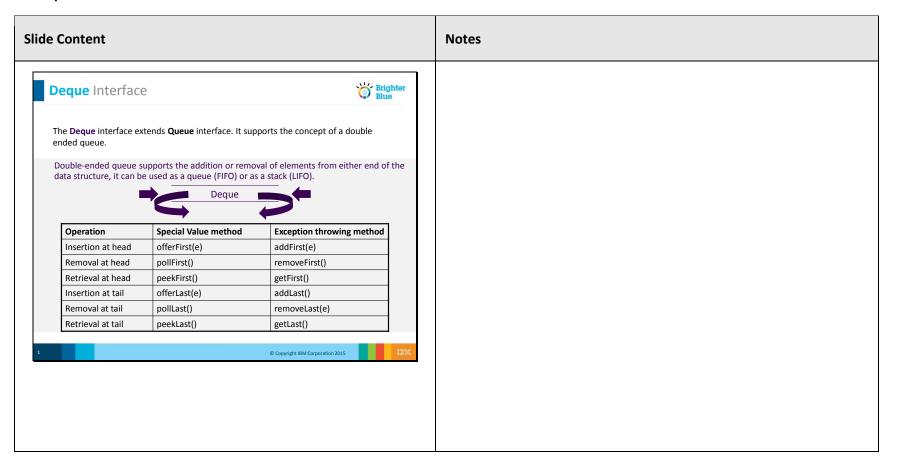


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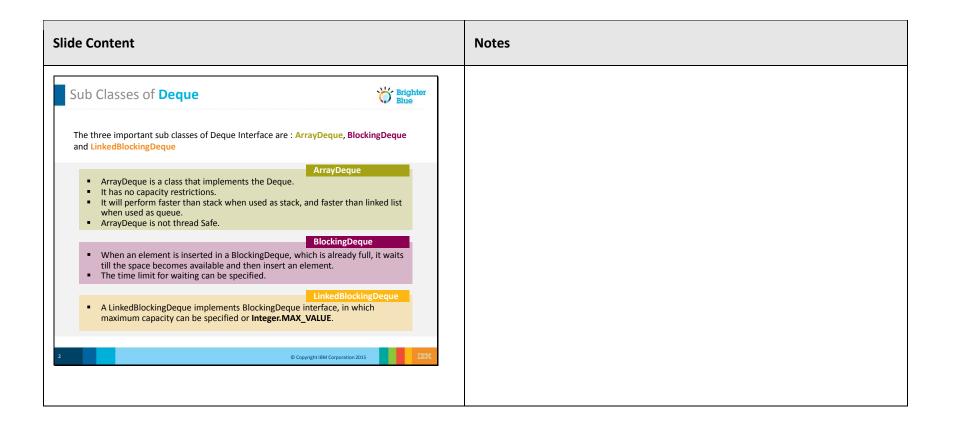
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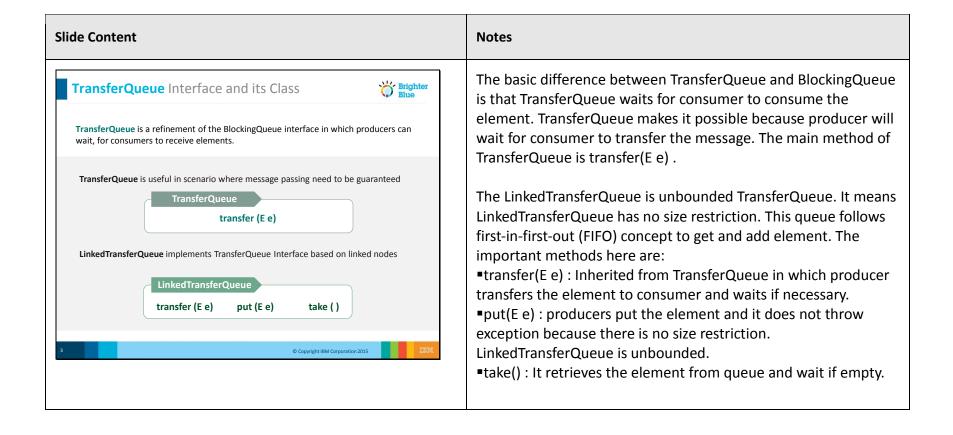
Deque Interface and TransferQueue





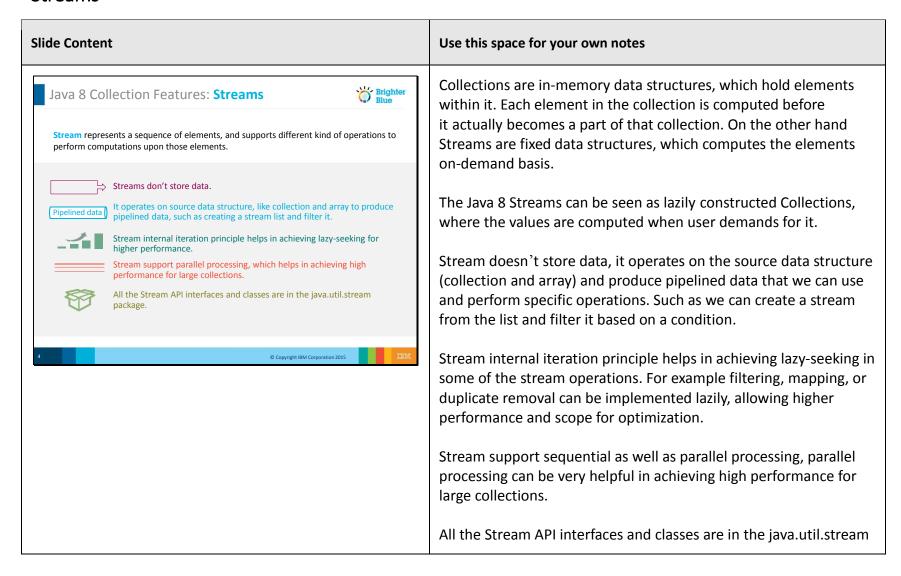








Streams

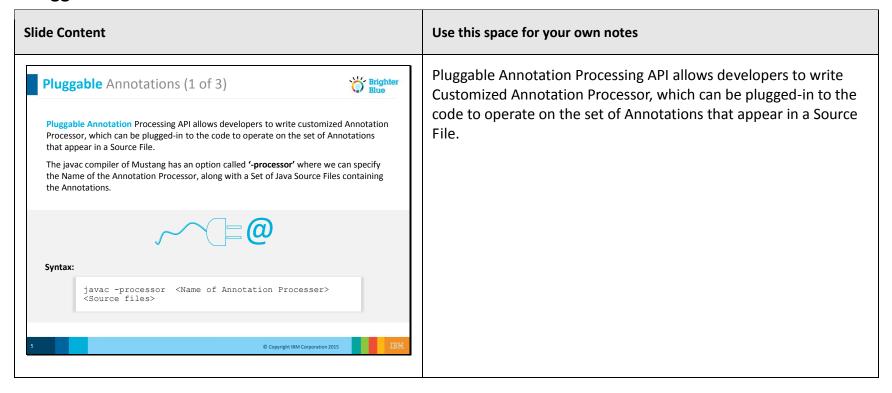




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	package. Since we can use primitive data types such as int, long in the collections using auto-boxing and these operations could take a lot of time, there are specific classes for these – IntStream, LongStream and DoubleStream.

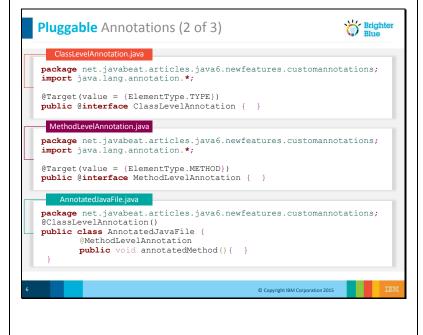


Pluggable Annotations





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Pluggable Annotation Processing API allows developers to write Customized Annotation Processor which can be plugged-in to the code to operate on the set of Annotations that appear in a Source File.

Java Predefined Annotation:

- 1. @Override: It is used when we override methods of superclass.
- 2. @Deprecated: It is used when class or methods are deprecated.
- 3. @SuppressWarnings: This is just to tell compiler to ignore specific warnings they produce.

Some build in annotation is used to create custom annotation:

- 1. @Documented : Javadoc will consider that element for documentation.
- 2. @Inherited: Annotation type can be inherited from super class. If user put annotation type on class declaration but class declaration has no annotation for this type, then the classes superclass will automatically be queried for the annotation type.
- 3. @Target: On which element you want to apply your annotation. If Target meta-annotation is not present, then annotation can be used on any program element. The values can be:

ElementType.TYPE: Applies only to Type. A Type can be a Java class or interface or an Enum or even an Annotation.

ElementType.FIELD: Applies to Java fields

ElementType.METHOD: Applies to Java methods

ElementType.PARAMETER: Applies only to method parameters in a



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	method definition ElementType.CONSTRUCTOR: Applies only to a constructor of a class
Pluggable Annotations (3 of 3) Custom annotation processer class extends AbstractProcessor class, which encapsulates an Abstract Annotation Processor. **SupportedAnnotationTypes() informs what type of annotation the custom annotation processer supports. A value of "*" indicates that all types of Annotations will be processed. **Custom Annotation Processor* **OsupportedSourceVersion informs which version of Source Files, this Annotation Processor supports.	Pluggable Annotation Processing API allows developers to write Customized Annotation Processor, which can be plugged-in to the code to operate on the set of Annotations that appear in a Source File.