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015 \* limitations under the License.  
016 \*/  
017package org.apache.commons.collections4;  
018  
019/\*\*  
020 \* Defines a functor interface implemented by classes that do something.  
021 \* <p>  
022 \* A <code>Closure</code> represents a block of code which is executed from  
023 \* inside some block, function or iteration. It operates an input object.  
024 \* </p>  
025 \* <p>  
026 \* Standard implementations of common closures are provided by  
027 \* {@link ClosureUtils}. These include method invocation and for/while loops.  
028 \* </p>  
029 \*  
030 \* @param <T> the type that the closure acts on  
031 \* @since 1.0  
032 \*/  
033@FunctionalInterface  
034public interface Closure<T> {  
035  
036 /\*\*  
037 \* Performs an action on the specified input object.  
038 \*  
039 \* @param input the input to execute on  
040 \* @throws ClassCastException (runtime) if the input is the wrong class  
041 \* @throws IllegalArgumentException (runtime) if the input is invalid  
042 \* @throws FunctorException (runtime) if any other error occurs  
043 \*/  
044 void execute(T input);  
045  
046}