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016 \*/  
017package org.apache.commons.collections4.functors;  
018  
019import java.io.Serializable;  
020  
021import org.apache.commons.collections4.Closure;  
022import org.apache.commons.collections4.FunctorException;  
023  
024/\*\*  
025 \* Closure implementation that always throws an exception.  
026 \*  
027 \* @since 3.0  
028 \*/  
029public final class ExceptionClosure<E> implements Closure<E>, Serializable {  
030  
031 /\*\* Serial version UID \*/  
032 private static final long serialVersionUID = 7179106032121985545L;  
033  
034 /\*\* Singleton predicate instance \*/  
035 @SuppressWarnings("rawtypes") // the static instance works for all types  
036 public static final Closure INSTANCE = new ExceptionClosure<>();  
037  
038 /\*\*  
039 \* Factory returning the singleton instance.  
040 \*  
041 \* @param <E> the type that the closure acts on  
042 \* @return the singleton instance  
043 \* @since 3.1  
044 \*/  
045 public static <E> Closure<E> exceptionClosure() {  
046 return INSTANCE;  
047 }  
048  
049 /\*\*  
050 \* Restricted constructor.  
051 \*/  
052 private ExceptionClosure() {  
053 super();  
054 }  
055  
056 /\*\*  
057 \* Always throw an exception.  
058 \*  
059 \* @param input the input object  
060 \* @throws FunctorException always  
061 \*/  
062 @Override  
063 public void execute(final E input) {  
064 throw new FunctorException("ExceptionClosure invoked");  
065 }  
066  
067 private Object readResolve() {  
068 return INSTANCE;  
069 }  
070  
071}