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016 \*/  
017package org.apache.commons.collections4.functors;  
018  
019import java.io.Serializable;  
020  
021import org.apache.commons.collections4.Predicate;  
022  
023/\*\*  
024 \* Predicate implementation that returns true if the input is null.  
025 \*  
026 \* @since 3.0  
027 \*/  
028public final class NullPredicate<T> implements Predicate<T>, Serializable {  
029  
030 /\*\* Serial version UID \*/  
031 private static final long serialVersionUID = 7533784454832764388L;  
032  
033 /\*\* Singleton predicate instance \*/  
034 @SuppressWarnings("rawtypes")  
035 public static final Predicate INSTANCE = new NullPredicate<>();  
036  
037 /\*\*  
038 \* Factory returning the singleton instance.  
039 \*  
040 \* @param <T> the type that the predicate queries  
041 \* @return the singleton instance  
042 \* @since 3.1  
043 \*/  
044 public static <T> Predicate<T> nullPredicate() {  
045 return INSTANCE;  
046 }  
047  
048 /\*\*  
049 \* Restricted constructor.  
050 \*/  
051 private NullPredicate() {  
052 super();  
053 }  
054  
055 /\*\*  
056 \* Evaluates the predicate returning true if the input is null.  
057 \*  
058 \* @param object the input object  
059 \* @return true if input is null  
060 \*/  
061 @Override  
062 public boolean evaluate(final T object) {  
063 return object == null;  
064 }  
065  
066 private Object readResolve() {  
067 return INSTANCE;  
068 }  
069  
070}