001/\*  
002 \* Licensed to the Apache Software Foundation (ASF) under one or more  
003 \* contributor license agreements. See the NOTICE file distributed with  
004 \* this work for additional information regarding copyright ownership.  
005 \* The ASF licenses this file to You under the Apache License, Version 2.0  
006 \* (the "License"); you may not use this file except in compliance with  
007 \* the License. You may obtain a copy of the License at  
008 \*  
009 \* http://www.apache.org/licenses/LICENSE-2.0  
010 \*  
011 \* Unless required by applicable law or agreed to in writing, software  
012 \* distributed under the License is distributed on an "AS IS" BASIS,  
013 \* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
014 \* See the License for the specific language governing permissions and  
015 \* limitations under the License.  
016 \*/  
017  
018package org.apache.commons.collections4.properties;  
019  
020import java.util.ArrayList;  
021import java.util.Collections;  
022import java.util.Enumeration;  
023import java.util.List;  
024import java.util.Properties;  
025import java.util.Set;  
026  
027import org.apache.commons.collections4.iterators.IteratorEnumeration;  
028  
029/\*\*  
030 \* A drop-in replacement for {@link Properties} for sorting keys.  
031 \* <p>  
032 \* Overrides {@link Properties#keys()} to sort keys. Allows other methods on the superclass to work with sorted keys.  
033 \* </p>  
034 \*  
035 \* @since 4.2  
036 \*/  
037public class SortedProperties extends Properties {  
038  
039 private static final long serialVersionUID = 1L;  
040  
041 @Override  
042 public synchronized Enumeration<Object> keys() {  
043 final Set<Object> keySet = keySet();  
044 final List<String> keys = new ArrayList<>(keySet.size());  
045 for (final Object key : keySet) {  
046 keys.add(key.toString());  
047 }  
048 Collections.sort(keys);  
049 return new IteratorEnumeration<>(keys.iterator());  
050 }  
051}