

# JAVA.UTIL.PROPERTIES CLASS

[http://www.tutorialspoint.com/java/util/java\\_util\\_properties.htm](http://www.tutorialspoint.com/java/util/java_util_properties.htm)

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## Introduction

The **java.util.Properties** class is a class which represents a persistent set of properties. The Properties can be saved to a stream or loaded from a stream. Following are the important points about Properties:

- Each key and its corresponding value in the property list is a string.
- A property list can contain another property list as its 'defaults', this second property list is searched if the property key is not found in the original property list.
- This class is thread-safe; multiple threads can share a single Properties object without the need for external synchronization.

## Class declaration

Following is the declaration for **java.util.Properties** class:

```
public class Properties
    extends Hashtable<Object, Object>
```

## Field

Following are the fields for **java.util.Properties** class:

- **protected Properties defaults** -- This is the property list that contains default values for any keys not found in this property list.

## Class constructors

| S.N. | Constructor & Description                                                                                          |
|------|--------------------------------------------------------------------------------------------------------------------|
| 1    | <b>Properties</b><br>This constructs creates an empty property list with no default values.                        |
| 2    | <b>PropertiesPropertiesdefaults</b><br>This constructs creates an empty property list with the specified defaults. |



## Class methods

| S.N. | Method & Description                                                                                                                      |
|------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <a href="#"><u>String getPropertyStringkey</u></a><br>This method searches for the property with the specified key in this property list. |
| 2    | <a href="#"><u>String getPropertyStringkey, StringdefaultValue</u></a>                                                                    |

This method searches for the property with the specified key in this property list.

3

[void listPrintStreamout](#)

This method prints this property list out to the specified output stream.

4

[void listPrintWriterout](#)

This method prints this property list out to the specified output stream.

5

[void loadInputStreaminStream](#)

This method reads a property list *keyandelementpairs* from the input byte stream.

6

[void loadReaderreader](#)

This method reads a property list *keyandelementpairs* from the input character stream in a simple line-oriented format.

7

[void loadFromXMLInputStreamin](#)

This method loads all of the properties represented by the XML document on the specified input stream into this properties table.

8

[Enumeration<?> propertyNames](#)

This method returns an enumeration of all the keys in this property list, including distinct keys in the default property list if a key of the same name has not already been found from the main properties list.

9

[void saveOutputStreamout, Stringcomments](#)

This method reads a.

10

[Object setPropertyStringkey, Stringvalue](#)

This method calls the Hashtable method put.

11

[void storeOutputStreamout, Stringcomments](#)

The method writes this property list *keyandelementpairs* in this Properties table to the output stream in a format suitable for loading into a Properties table using the *loadInputStream* method.

12

[void storeWriterwriter, Stringcomments](#)

The method writes this property list *keyandelementpairs* in this Properties table to the output character stream in a format suitable for using the *loadReader* method.

13

[void storeToXMLOutputStreams, Stringcomment](#)

This method emits an XML document representing all of the properties contained in this table.

14

[void storeToXMLOutputStreams, Stringcomment, Stringencoding](#)

This method emits an XML document representing all of the properties contained in this table, using the specified encoding.

15

[Set<String> stringPropertyNames](#)

This method returns a set of keys in this property list where the key and its corresponding value are strings, including distinct keys in the default property list if a key of the same name has not already been found from the main properties list.

## Methods inherited

This class inherits methods from the following classes:

- java.util.Hashtable
- java.util.Object

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