# **Using the Scanner**

This guide details how to use the Java Standard Library version of the KeyboardReader: the Scanner.

## ***Introduction to the Scanner***

The Scanner is the Java Standard Library version of the KeyboardReader, and is available in all version of Java since version 5 (J2SE 1.5). It does not require the TerminalIO Jar, and provides more functionality.

## ***A Comparison of Scanner and Keyboard Reader***

| KeyboardReader Function | Scanner Equivalent |
| --- | --- |
| readInt()  readDouble()  readChar()  readLine() | nextInt()  nextDouble()  nextString()  nextLine() |

## ***Creating the Scanner for Keyboard Input***

The scanner can be used for either keyboard or file input (more on this topic later). To create the Scanner for keyboard reader, use the following line:

Scanner keyboard = new Scanner(System.in);

## ***An Example Program***

import java.util.Scanner;

public class InputProgram {

public static void main(String args[]) {

System.out.print(“Enter your name: “);

Scanner keyboard = new Scanner(System.in);

String name = keyboard.nextLine();

System.out.println(“Nice to meet you, “ + name);

}

}

## ***Further Information***

Scanner has many more features than listed here. For a complete guide, go to <http://java.sun.com/javase/6/docs/api/java/util/Scanner.html>