**Java Scanner Class in Java**

**Scanner** is one of the predefined class which is used for reading the data dynamically from the keyboard.

Import Scanner class

**Syntax**

java.util.Scanner

**Constructor of Scanner Class**

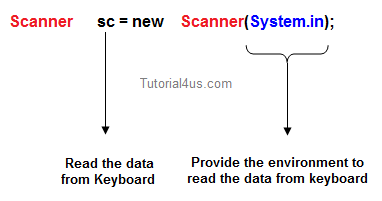
**Scanner(InputStream)**

This constructor create an object of Scanner class by talking an object of InputStream class. An object of InputStream class is called **in** which is created as a static data member in the System class.

**Example**

Scanner sc=**new** Scanner(System.**in**);

Here the object **'in'** is use the control of keyboard



**Instance methods of Scanner Class**

|  |  |  |
| --- | --- | --- |
|  | **Method** | **Description** |
| 1 | public byte nextByte() | Used for read byte value |
| 2 | public short nextShort() | Used for read short value |
| 3 | public int nextInt() | Used for read integer value |
| 4 | public long nextLong() | Used for read numeric value |
| 5 | public float nextLong() | Used for read numeric value |
| 6 | public double nextDouble() | Used for read double value |
| 7 | public char nextChar() | Used for read character |
| 8 | public boolean nextBoolean() | Used for read boolean value |
| 9 | public String nextLine() | Used for reading any kind of data in the form of String data. |

Method 1 to 8 are used for reading fundamental values from the keyboard. Method 9 (public String nextLine() ) is used for reading any kind of data in the form of String data.

**For Remember all above methods**

From method 1 to 8 combindly we represent as public xxx nextxxx(). Here xxx represents any fundamental data type. These methods are used for reading the fundamental data from keyboard.

**Accept two values dynamically from the keyboard and compute sum.**

**Example**

**import** java.util.Scanner

**public** **class** ScannerDemo

{

**public** **static** **void** main(String args[])

{

Scanner s=**new** Scanner(System.**in**);

System.**out**.println("Enter first no= ");

**int** num1=s.nextInt();

System.**out**.println("Enter second no= ");

**int** num2=s.nextInt();

System.**out**.println("Sum of no is= "+(num1+num2));

}

}

**Output**

Enter first no=4

Enter second no=5

Sum of no is=9

**Program which is accept two number as a string and compute their sum.**

**Example**

**import** java.util.Scanner;

**class** Dataread

{

**public** **static** **void** main(String[] args)

{

Scanner s=**new** Scanner(System.**in**);

System.**out**.println("Enter first number: ");

String s1=s.nextLine();

System.**out**.println("Enter second number: ");

String s2=s.nextLine();

**int** res=Integer.parseInt(s1) + Integer.parseInt(s2);

System.**out**.println("Sum= "+res);

}

}

**Output**

Enter first number: 5

Enter second number: 6

Sum= 11