

# Java for beginners

## User Input



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## Agenda

- ① Scanner class
- ② Example
- ③ Methods of Scanner class

≡ `scanf(" %d %d", &a, &b);`

buffer



delimiter

- ① new line \n
- ② tab space \t
- ③ Space ..

## Scanner Class

- We can read java input from System.in using scanner class
- Scanner is final class, that is, cannot be extended
- A scanner breaks its input into tokens using a delimiter pattern, which by default matches whitespace

- The resulting tokens may then be converted into values of different types using the various next methods.
- Scanner class is a part of java.util package.

## Example

```
import java.util.Scanner;  
class Example{  
    public static void main(String []args){  
        System.out.println("Enter your name and age");  
        Scanner sc = new Scanner(System.in);  
        String name = sc.nextLine();  
        int age = sc.nextInt();  
        System.out.println("Name:" + name);  
        System.out.println("Age:" + age);  
    }  
}
```

## Methods of Scanner

next()  
nextLine()  
nextBoolean()  
nextByte()  
nextDouble()  
nextFloat()  
nextInt()  
nextLong()  
nextShort()

hasNext()  
hasNextLine()  
hasNextBoolean()  
hasNextByte()  
hasNextDouble()  
hasNextFloat()  
hasNextInt()  
hasNextLong()  
hasNextShort()