Example of reading data from keyboard by InputStreamReader and BufferdReader class

1. In this example, we are connecting the BufferedReader stream with the InputStreamReader stream for reading the line by line data from the keyboard.

import java.io.\*;

class G5{

public static void main(String args[])throws Exception{

InputStreamReader r=new InputStreamReader(System.in);

BufferedReader br=new BufferedReader(r);

System.out.println("Enter your name");

String name=br.readLine();

System.out.println("Welcome "+name);

}

}

1. Java Console Example

import java.io.\*;

class ReadStringTest{

public static void main(String args[]){

Console c=System.console();

System.out.println("Enter your name: ");

String n=c.readLine();

System.out.println("Welcome "+n);

}

}

Output:

Enter your name: james gosling

Welcome james gosling

1. Java Console Example to read password

import java.io.\*;

class ReadPasswordTest{

public static void main(String args[]){

Console c=System.console();

System.out.println("Enter password: ");

char[] ch=c.readPassword();

String pass=String.valueOf(ch);//converting char array into string

System.out.println("Password is: "+pass);

}

}

Output:

Enter password:

Password is: sonoo

1. Java Scanner Example to get input from console

Let's see the simple example of the Java Scanner class which reads the int, string and double value as an input:

import java.util.Scanner;

class ScannerTest{

public static void main(String args[]){

Scanner sc=new Scanner(System.in);

System.out.println("Enter your rollno");

int rollno=sc.nextInt();

System.out.println("Enter your name");

String name=sc.next();

System.out.println("Enter your fee");

double fee=sc.nextDouble();

System.out.println("Rollno:"+rollno+" name:"+name+" fee:"+fee);

sc.close();

}

}

1. Java Scanner Example with delimiter

Let's see the example of Scanner class with delimiter. The \s represents whitespace.

import java.util.\*;

public class ScannerTest2{

public static void main(String args[]){

String input = "10 tea 20 coffee 30 tea buiscuits";

Scanner s = new Scanner(input).useDelimiter("\\s");

System.out.println(s.nextInt());

System.out.println(s.next());

System.out.println(s.nextInt());

System.out.println(s.next());

s.close();

}}

Output:

10

tea

20

Coffee

1. Example of java.io.PrintStream class:

In this example, we are simply printing integer and string values.

import java.io.\*;

class PrintStreamTest{

public static void main(String args[])throws Exception{

FileOutputStream fout=new FileOutputStream("mfile.txt");

PrintStream pout=new PrintStream(fout);

pout.println(1900);

pout.println("Hello Java");

pout.println("Welcome to Java");

pout.close();

fout.close();

}

}

1. Example of printf() method of java.io.PrintStream class:

Let's see the simple example of printing integer value by format specifier.

class PrintStreamTest{

public static void main(String args[]){

int a=10;

System.out.printf("%d",a);//Note, out is the object of PrintStream class

}

}